

EXHIBIT 19

Message

From: Ann Petrushka [petrushka@google.com]
Sent: 7/27/2020 9:05:00 PM
To: Stephen Yap [syap@google.com]
CC: Meghna Danton [meghnab@google.com]; APMG [ap-mg@google.com]; Scott Saiget [saiget@google.com]; Derek McCombs [mccombsd@google.com]; AGTM-Platforms [agtm-platforms@google.com]
Subject: Re: 7.27.20 APMG Agenda
Attachments: 1H 2020 PIR W8 - DSP Report Google_Downey_072720_Final (2).pptx

Hi all! Should you need to reference, please find attached the DSP Wave 8 Report (Powerpoint or PDF version available) that was presented at the July 20th APMG meeting (last Monday).

Thanks!

  1H 2020 PIR W8 - DSP Report Google_Downey_072720_Final.pptx

On Mon, Jul 27, 2020 at 12:01 PM Stephen Yap <syap@google.com> wrote:
I will be 30 min late to the meeting

On Mon, Jul 27, 2020 at 12:01 PM Ann Petrushka <petrushka@google.com> wrote:
Fast follow: all will be in attendance except for the following folks who are on vacation:

STS
Matt T
Sean
Leo

Thanks!

On Mon, Jul 27, 2020 at 11:58 AM Meghna Danton <meghnab@google.com> wrote:

Hi Team, today's meeting agenda will have the following at go/APMG-weekly

- Top of mind topics (Sundar's note on WFH guidance, heads up on QBR timing, app+web migration)
- Finance Update (quota)
- Partners Pipeline update
- CPQ training for Sales Directors (rest can drop off!)

Thank you team,
Meghna

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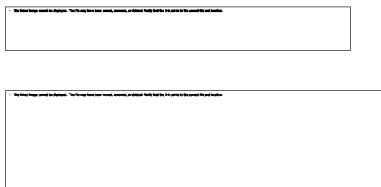
Meghna Danton

 meghnab@google.com +1.917.691.1222

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Ann Petrushka



petrushka@google.com
[630-290-1351](tel:630-290-1351)

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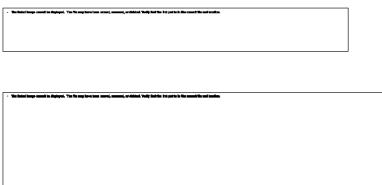
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syap@google.com [212.381.5329](https://www.google.com/search?rlz=1C1GCEU_enUS904US904&tbo=q&q=212.381.5329)

[917.591.3372](tel:917.591.3372)

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--
Ann Petrushka



petrushka@google.com

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DSP Report, Wave 8

Part of the Programmatic Intelligence Report

Q1 2020

Advertiser Perceptions

What Advertisers Think™

The More You Know
The Stronger Your Brand
The More You'll Sell™



Programmatic
Intelligence Report
Q1 2020

Demand Side Platforms

Key Takeaways

DV360 now leading in most metrics

- Google unseats Amazon for the most-preferred DSP
- Google's gains most notable among largest advertisers
 - And those top spenders primarily using self-serve

DV360 has moved to the #1 position in the metrics that drive:

- Selection: ROI, targeting, audience reach at scale
- Recommendation: analytics, service, roadmap

Greatest challenge: The Trade Desk

- Seen by many large spenders as a master in
 - Service, support, training
 - Tech & media capabilities (e.g., CTV)

Advertiser Perceptions 2



Programmatic
Intelligence Report
Q1 2020

Demand Side Platforms

DSP Methodology



347
interviews
conducted



Fielded
2/25 to 3/13
2020

Sample: Marketer and Agency contacts from The Advertiser Perceptions Ad Pros Community and trusted third-party partners as needed

Qualification:

- Involved in the purchase of programmatic advertising
- Used or worked with DSPs in the past 12 months
- Minimum \$1 Million Annual Digital Ad Spend

 **Advertiser Perceptions**



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Intelligence Report
Q1 2020

Demand Side Platforms

DSP Respondent Profile

Only Advertiser Perceptions talks to people who are actively making decisions about ad tech brand selection

PROGRAMMATIC DECISION-MAKING INVOLVEMENT:

- Develop or approve budgets..... 86%
- Supervise or determine strategy for DSP use..... 85%
- Approve DSP partners..... 76%
- Use DSPs to identify audiences and/or place media..... 62%

PRIMARY DSP USAGE:

- Managed/Full Service..... 44%
- Self-Service..... 19%
- Both..... 37%

ANNUAL DIGITAL AD SPEND:

Mean	\$85M
\$50M+	30%
\$10M-\$50M	44%
\$1M-\$10M	26%

EXPRESSING OPINIONS FROM:



Marketer	47%
Agency	53%

RANGING IN TITLE:

Agency:	41%	49%	10%
Marketer:	44%	35%	21%

TRADE DESK (AGENCY RESPONDENTS)

Yes, and have direct involvement	53%
Yes, but have no direct involvement	17%
No, agency does not have a trading desk.	30%

HOLDING VS. INDY (AGENCY RESPONDENTS)

Larger holding company	59%
Independent agency	41%

FORTUNE 500

Yes	43%
No	49%
Not Sure	8%

 Advertiser Perceptions®

QDS7 (decision-making involvement); QS35 (agency/marketer); QS120M/QS120 (job title); QS25 (digital ad spend); QDS10 (primary DMP usage)
QS500N (Fortune 500)

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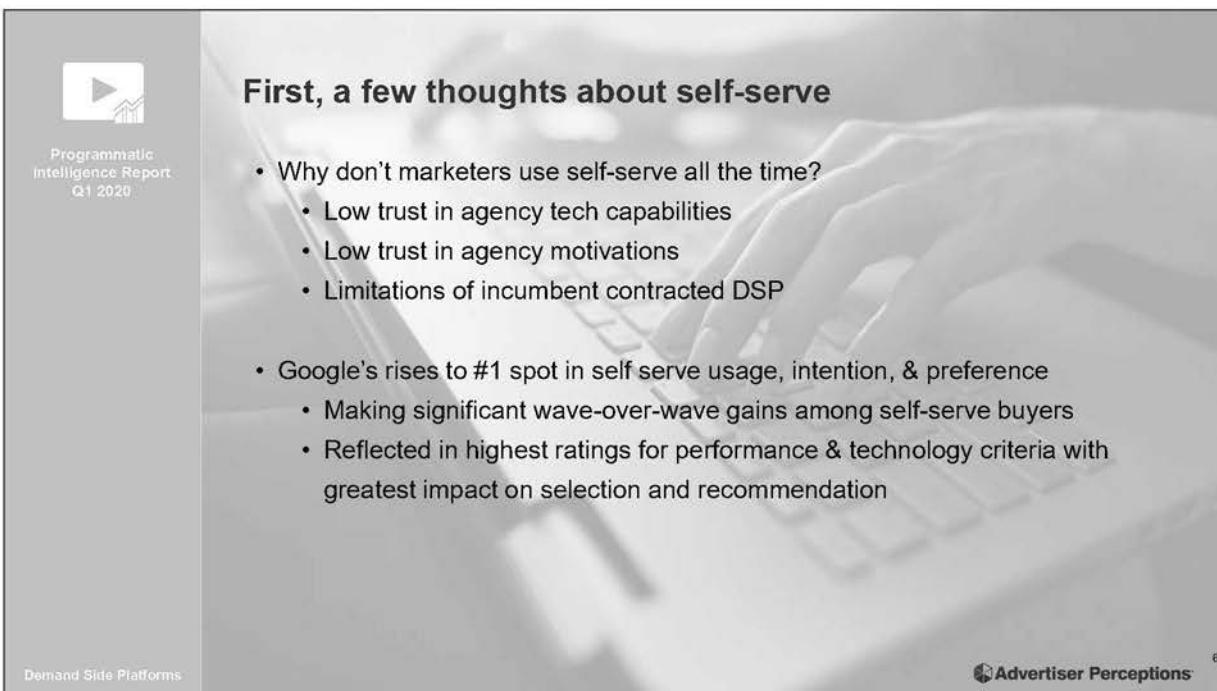
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DTX-973 Page 7 of 104



**Marketplace Overview:
Spotlight on Self-Serve**

 Advertiser Perceptions



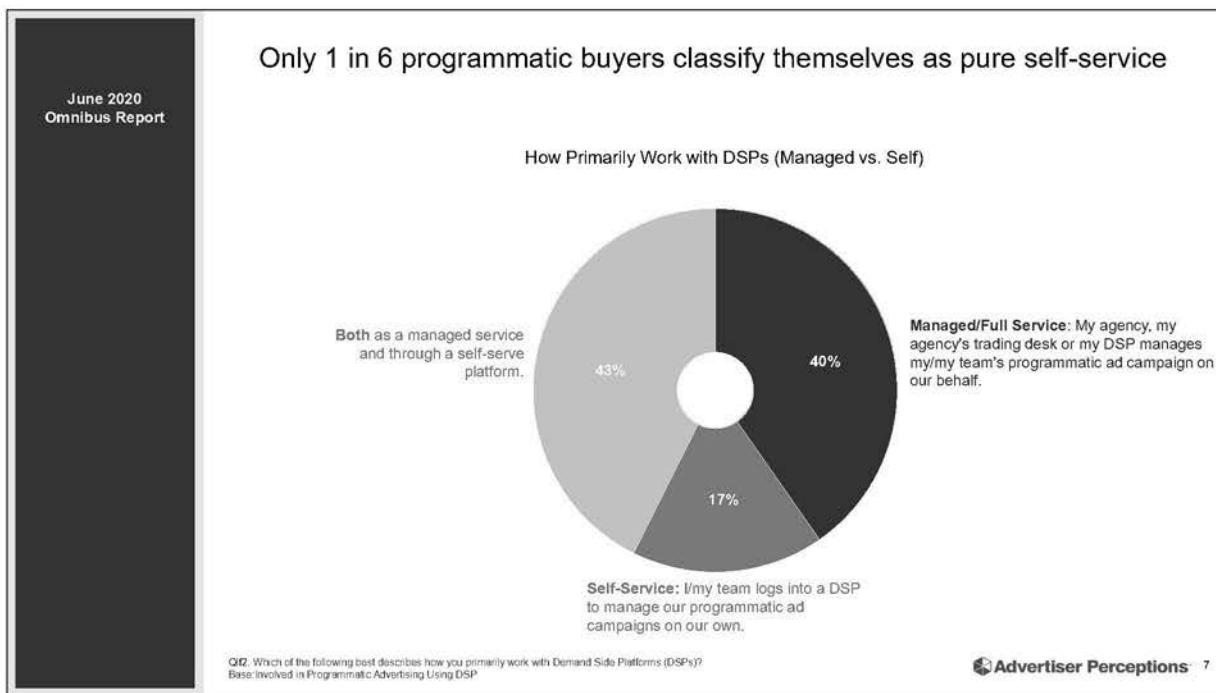
First, a few thoughts about self-serve

Programmatic Intelligence Report Q1 2020

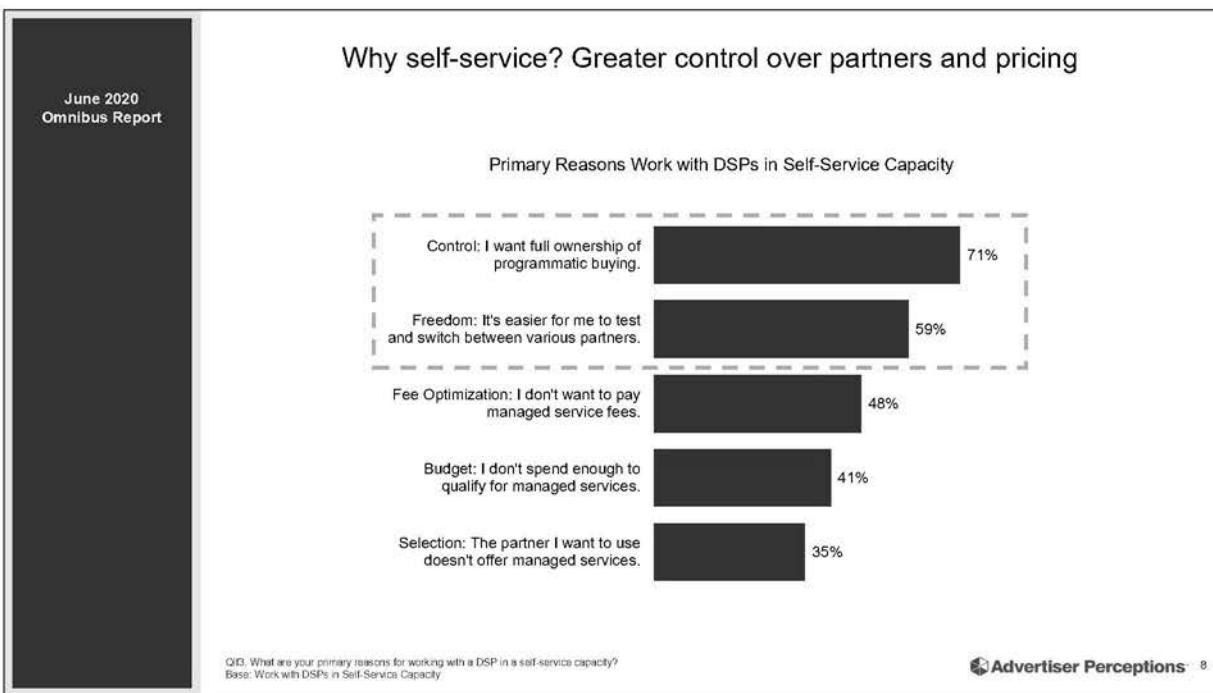
Demand Side Platforms

- Why don't marketers use self-serve all the time?
 - Low trust in agency tech capabilities
 - Low trust in agency motivations
 - Limitations of incumbent contracted DSP
- Google's rises to #1 spot in self serve usage, intention, & preference
 - Making significant wave-over-wave gains among self-serve buyers
 - Reflected in highest ratings for performance & technology criteria with greatest impact on selection and recommendation

Advertiser Perceptions 8



Internal – DSP Self Serve
Q1f2



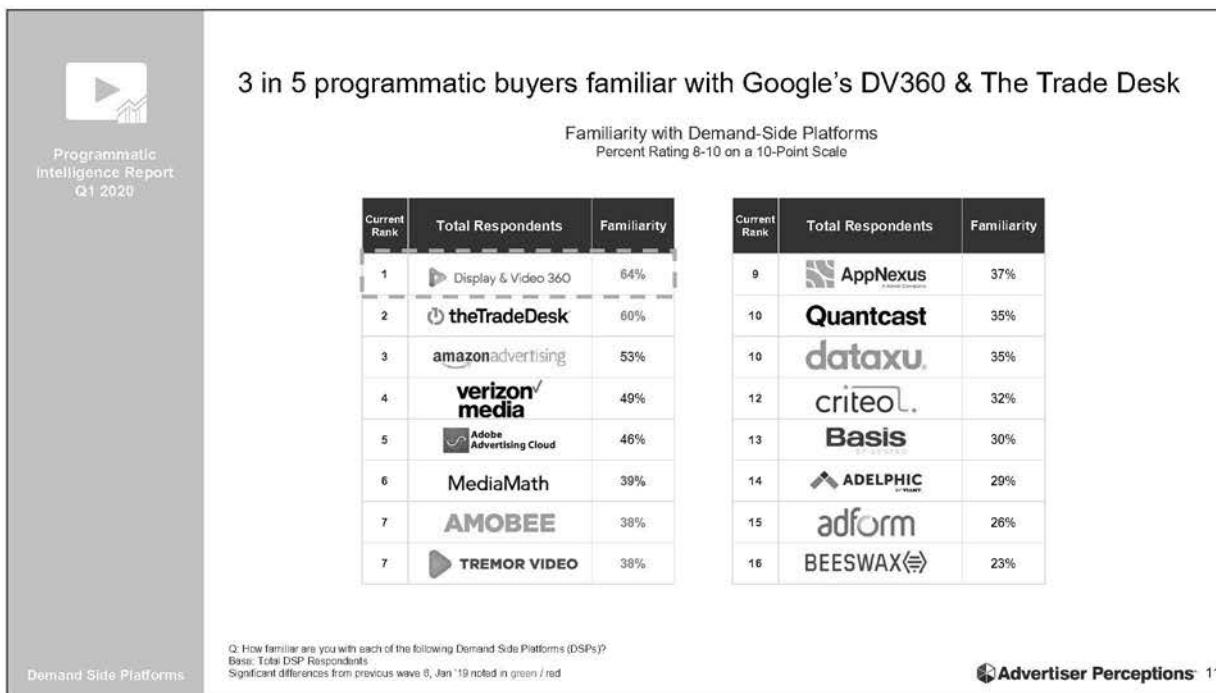
Internal – DSP Self Serve
Q1f3



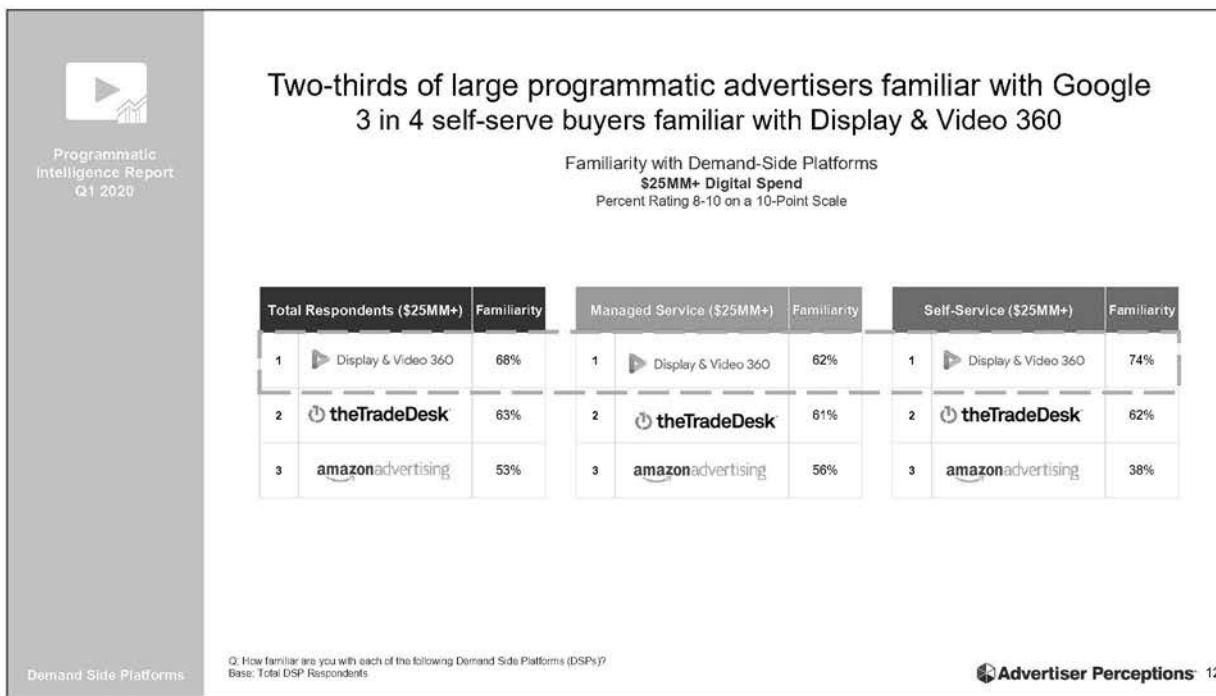
DSPs included in study

 Programmatic Intelligence Report Q1 2020	ADELPHIC BY VIANT. Adelphic	Basis BY CENTRO Basis by Centro	MediaMath MediaMath DSP
adform Adform Adobe Advertising Cloud	BEESWAX Beeswax	Quantcast Quantcast	
amazon advertising Amazon DSP	criteo Criteo	theTradeDesk The Trade Desk DSP	
AMOBEE Amobee	dataxu. dataxu	TREMOR VIDEO Tremor Video DSP	
AppNexus AppNexus, a Xandr Company	Display & Video 360 Google Display & Video 360	verizon media Verizon Media DSP	
Demand Side Platforms		Advertiser Perceptions	

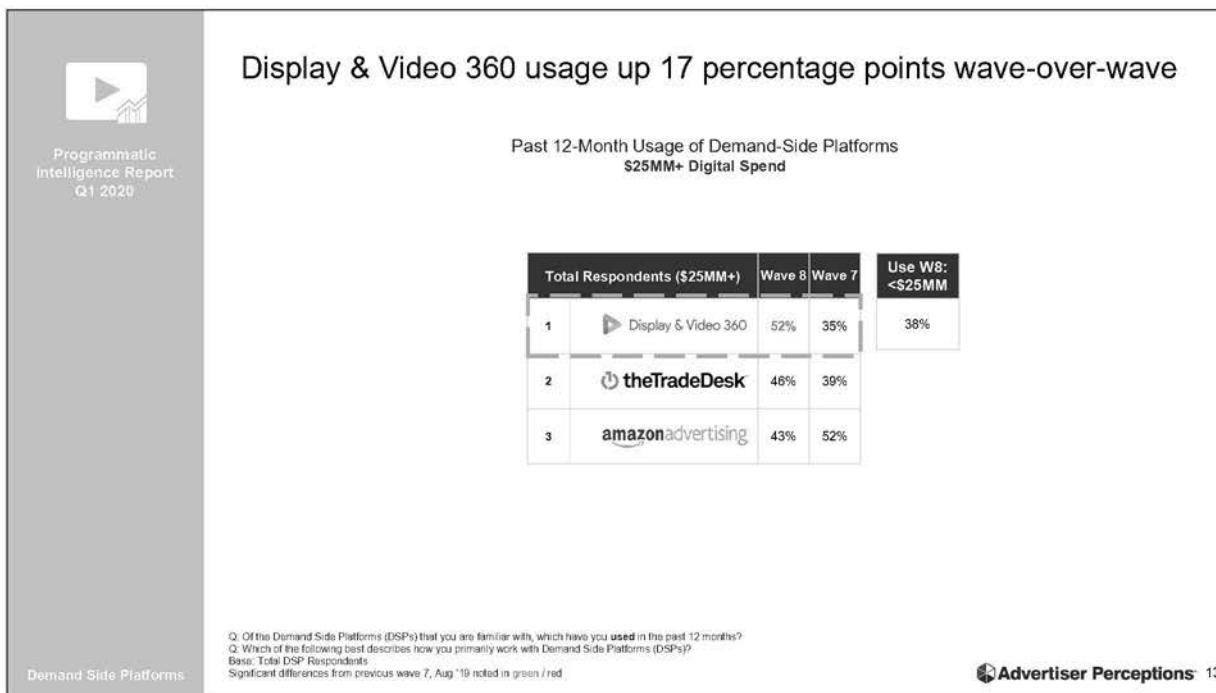
Q206
2019SS103W7_Banner 1a_PIR W7 DSP Full Results_WT_Sep25.xlsx



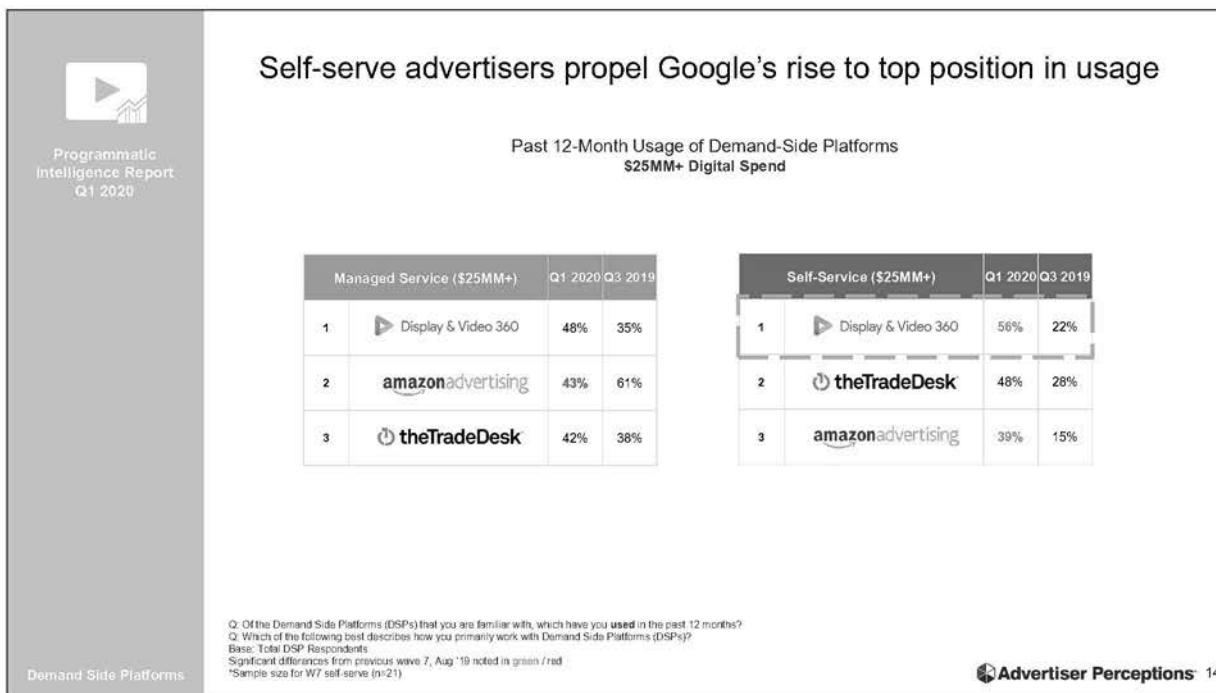
Q210 Familiarity



Q210 Familiarity



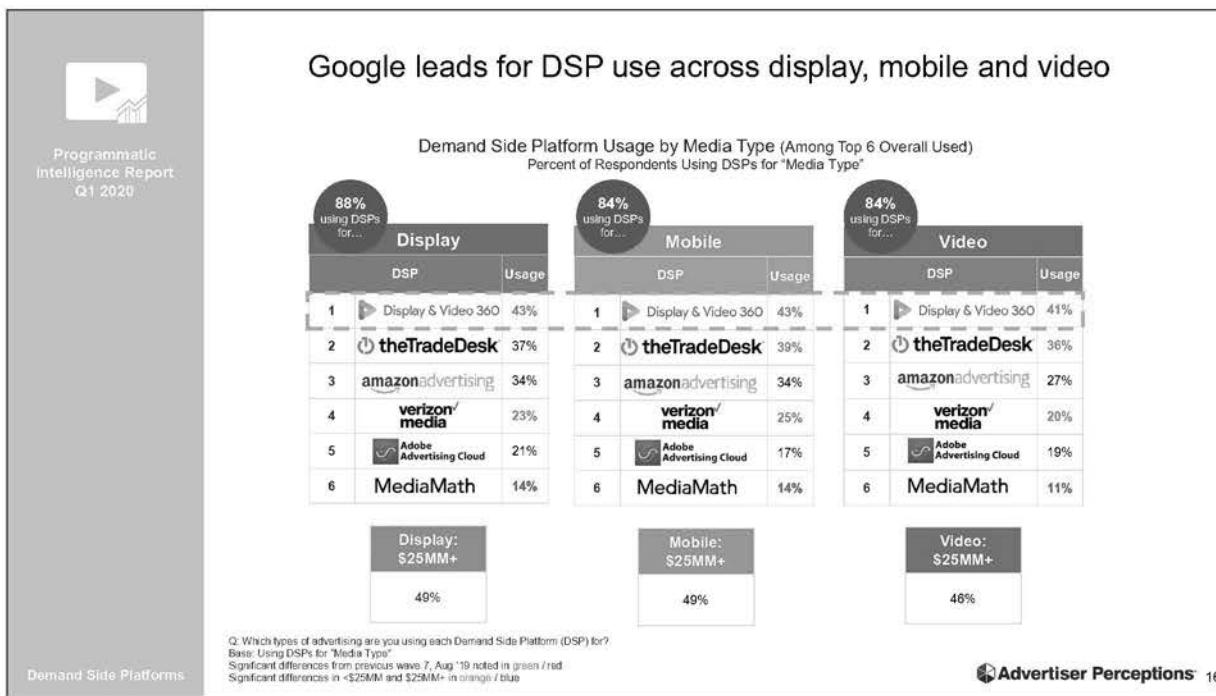
Q215 Usage



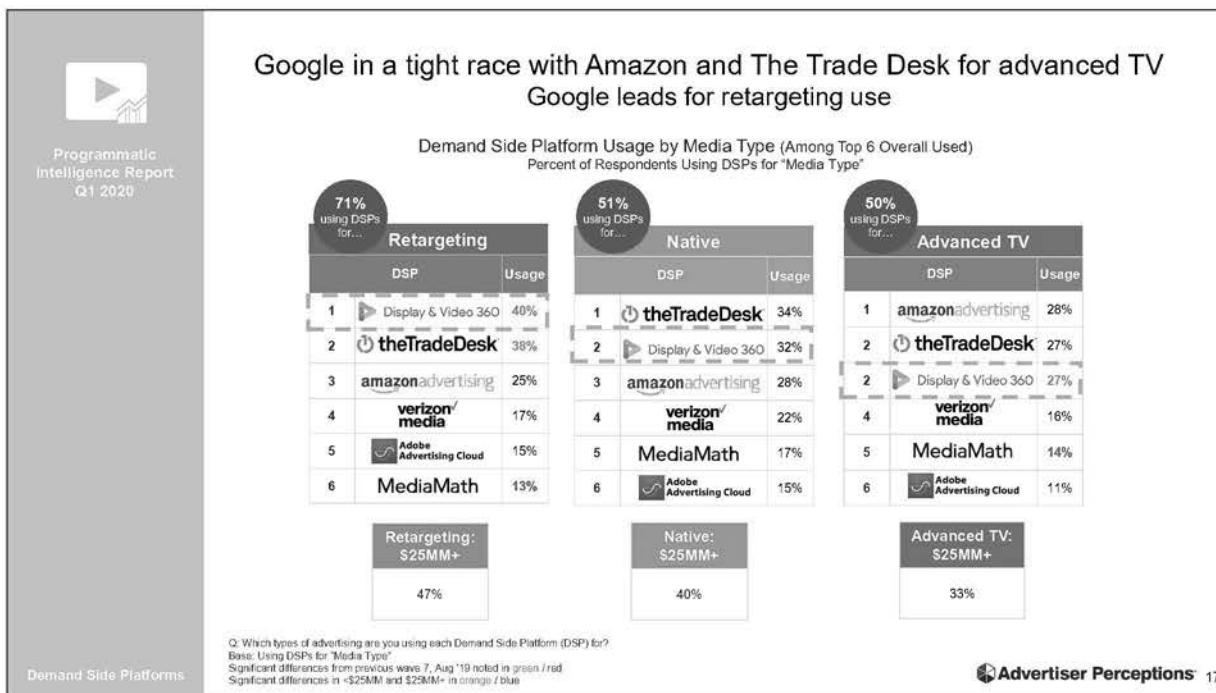
Q215 Usage



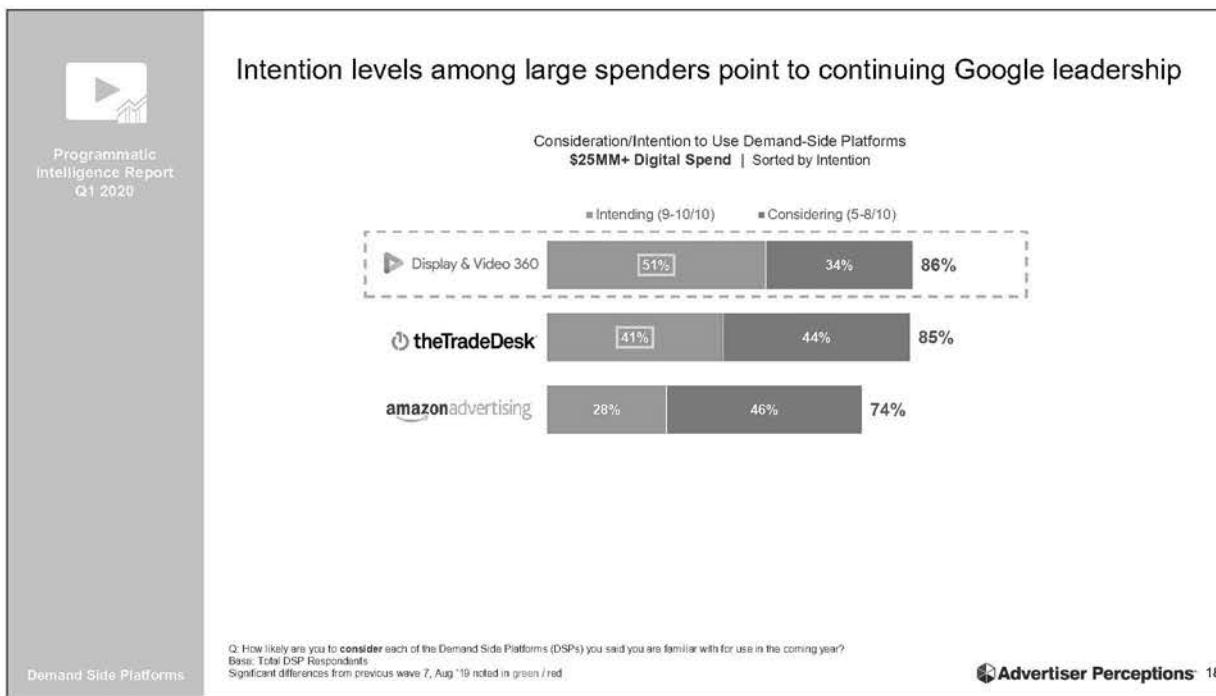
Q215 Usage
S80b Amazon



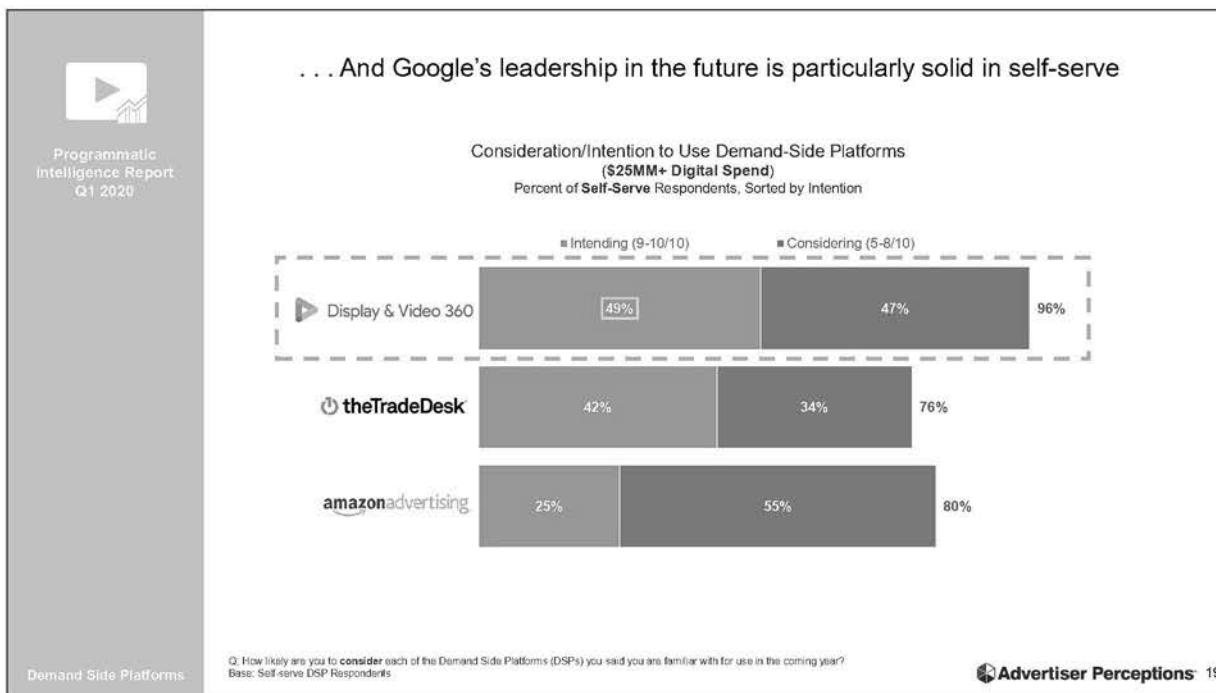
Q232



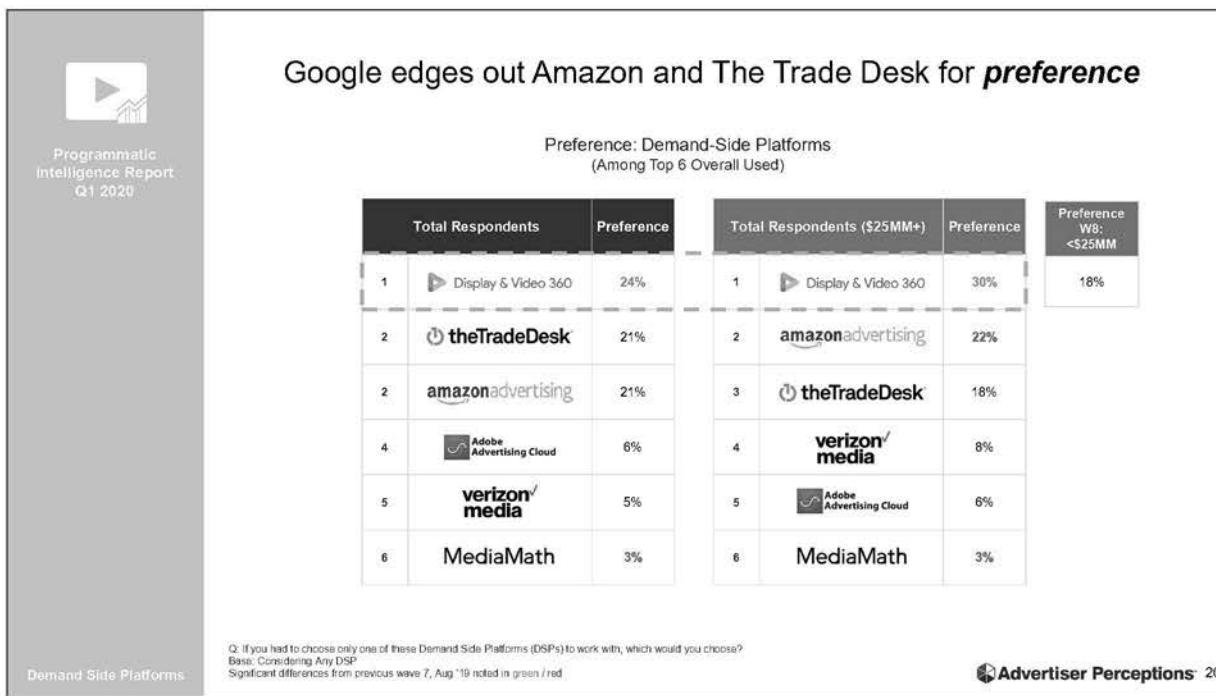
Q232



Q220 Consideration/Intention

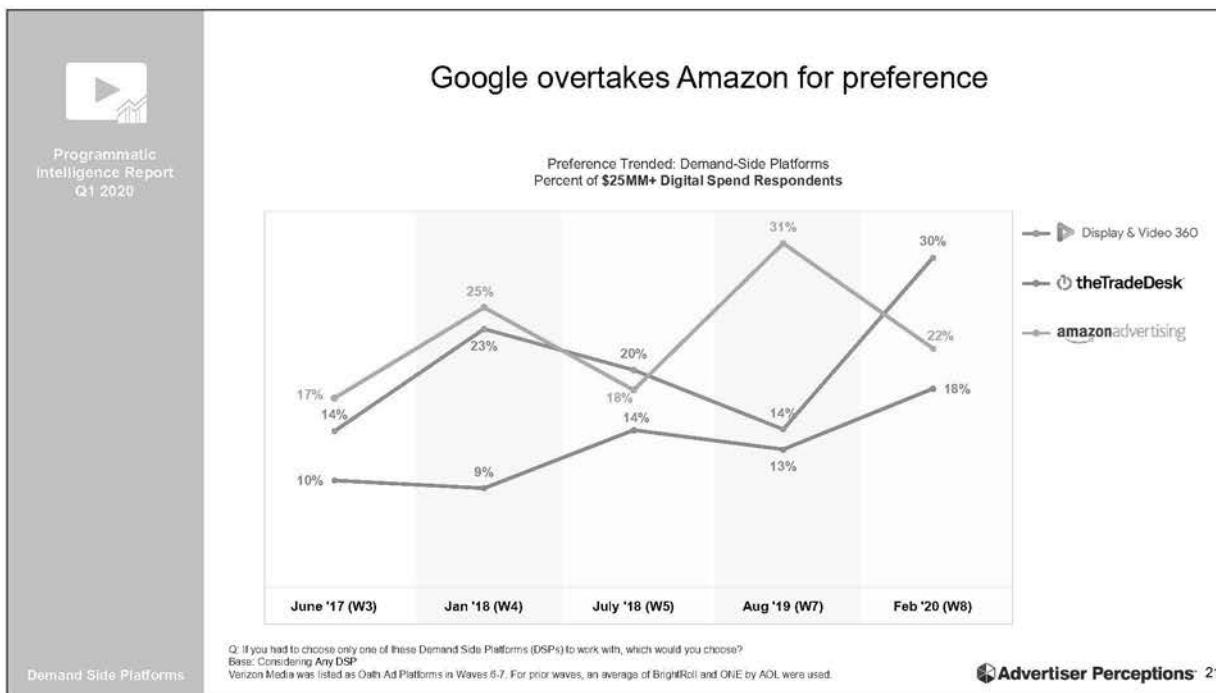


Q220 Consideration/Intention



Q226 Preference

Note: using "Considering any DSP" version in tables.



Q220



Programmatic Intelligence Report Q1 2020

Preference for Google greater among self-serve buyers And it would seem to have been at Amazon's expense

Preference: Demand-Side Platforms (\$25MM+ Digital Spend)

	Managed Service (\$25MM+)	Q1 2020	Q3 2019
1	Display & Video 360	28%	13%
2	amazonadvertising	21%	32%
3	theTradeDesk	19%	11%

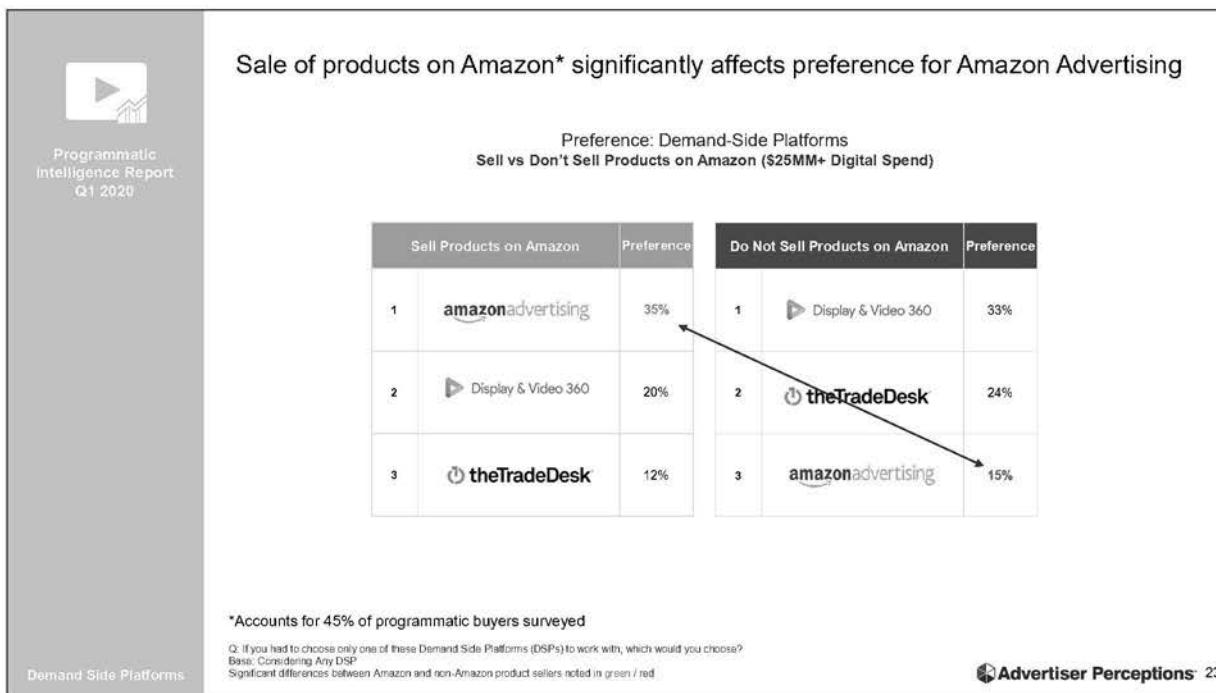
	Self-Service (\$25MM+)	Q1 2020	Q3 2019
1	Display & Video 360	38%	18%
2	theTradeDesk	19%	18%
3	amazonadvertising	16%	26%

Q: If you had to choose only one of these Demand Side Platforms (DSPs) to work with, which would you choose?
Base: Considering Any DSP
Significant differences from previous wave 7, Aug '19 noted in green / red
*Sample size for W7 self-serve (n=21)

 Advertiser Perceptions 22

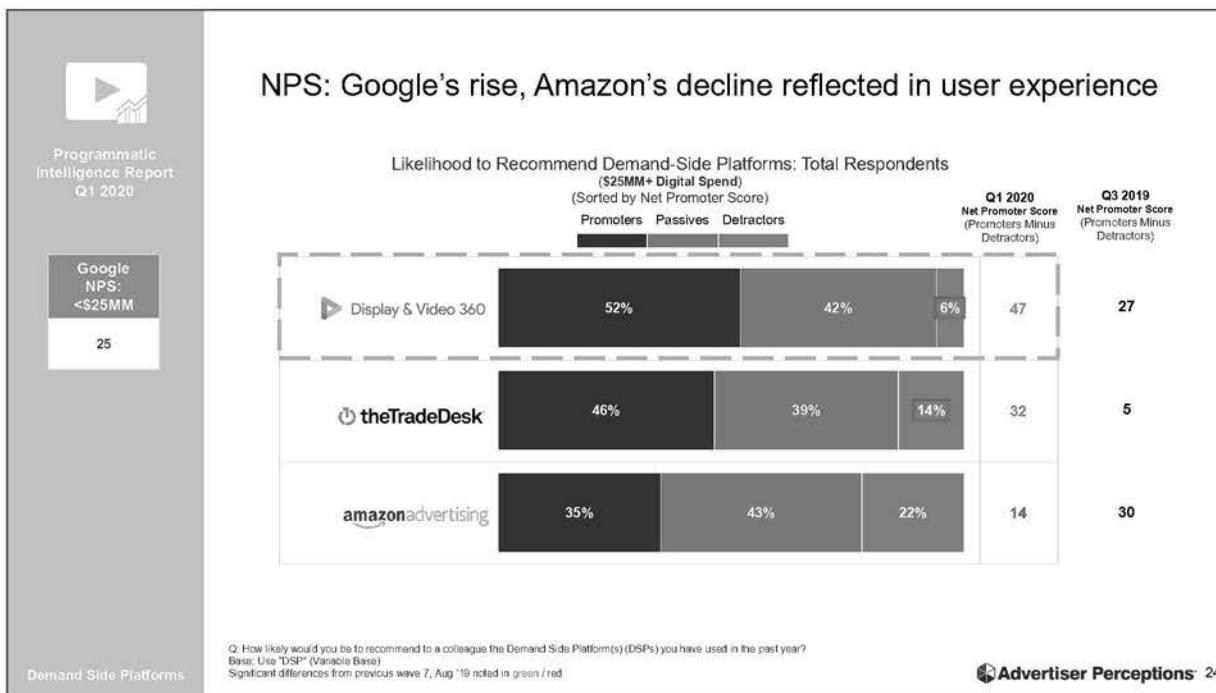
Q226 Preference

Note: using "Considering any DSP" version in tables.



Q226 Preference

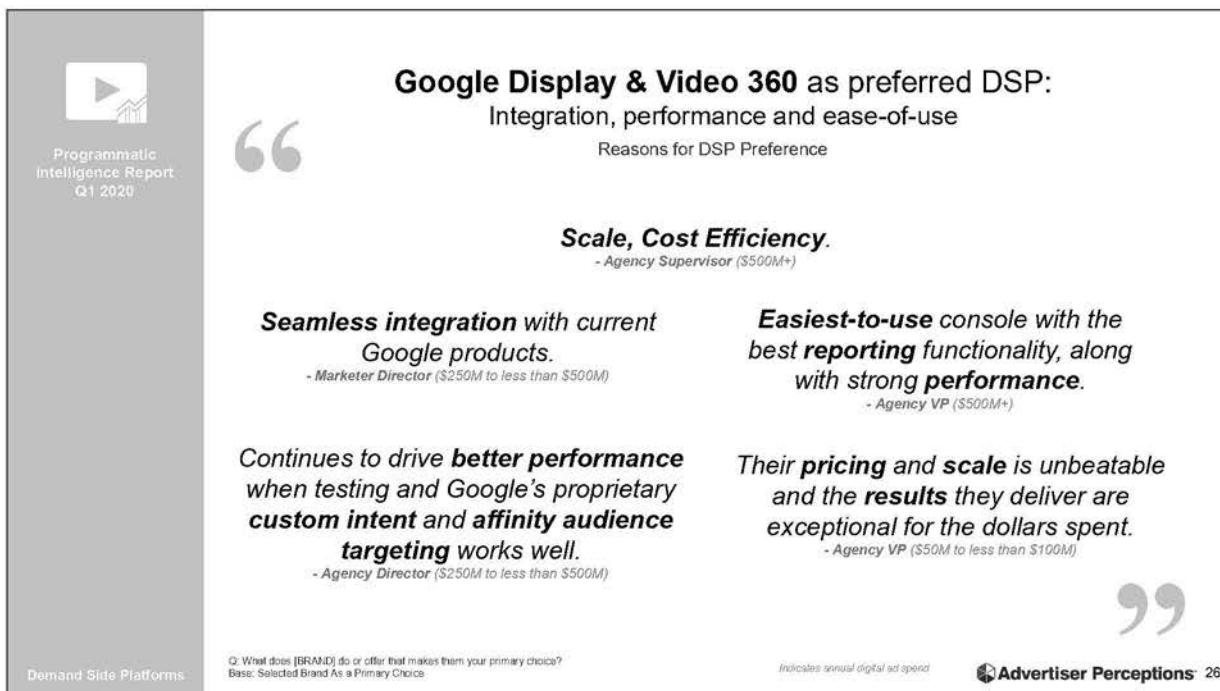
Note: using "Considering any DSP" version in tables.



Q230 NPS
Wave 7 breakdown: Promoters (43) Passive (42) Detractors (15)



Q230 NPS



Programmatic Intelligence Report Q1 2020

Google Display & Video 360 as preferred DSP: Integration, performance and ease-of-use

Reasons for DSP Preference

“

Scale, Cost Efficiency.
- Agency Supervisor (\$500M+)

Seamless integration with current Google products.
- Marketer Director (\$250M to less than \$500M)

Continues to drive better performance when testing and Google's proprietary custom intent and affinity audience targeting works well.
- Agency Director (\$250M to less than \$500M)

Easiest-to-use console with the best reporting functionality, along with strong performance.
- Agency VP (\$500M+)

Their pricing and scale is unbeatable and the results they deliver are exceptional for the dollars spent.
- Agency VP (\$50M to less than \$100M)

”

Q: What does [BRAND] do or offer that makes them your primary choice?
Base: Selected Brand As a Primary Choice

Indicates annual digital ad spend

Advertiser Perceptions 26

Demand Side Platforms

Q226a.



Programmatic
Intelligence Report
Q1 2020

The Trade Desk DSP as preferred DSP: Customer service, breadth of inventory, trust, technology and transparency

Reasons for DSP Preference

“

They have more transparent pricing and provide more accurate measurement.
- Agency Director (\$25M to less than \$50M)

Customer service, ease of use, quality results.
- Agency Supervisor (\$25M to less than \$50M)

Has come on as a leader with strong expertise. They've added a lot of video multiscreen options, whether it's addressable or OTT. They continue to break barriers in terms of expanding and growing themselves.
- Marketing Director (\$50M to less than \$100M)

Largest range of programmatic media channels offered (and most of them strong).
- Marketer C-level (\$50M to less than \$100M)

A whole lot of support channels to help ease the ad experience during the entire process.
- Agency Director (\$100M to less than \$250M)

Superior account team.
- Agency Supervisor (\$25M to less than \$50M)

”

Demand Side Platforms

Q: What does [BRAND] do or offer that makes them your primary choice?
Base: Selected Brand As a Primary Choice

Indicates annual digital ad spend

 Advertiser Perceptions 27

Q226a.



Programmatic
Intelligence Report
Q1 2020

Amazon DSP as preferred DSP:
Customer service, trust and pricing
Reasons for DSP Preference

“

Proven track record of *ROI* above our benchmark. Secure. Good customer support. We can reach our desired demographics through their service.
- Marketer Director (\$50M to less than \$100M)

They are the most *trustworthy* in my opinion.
- Agency Supervisor (\$100M to less than \$250M)

They listen and do the right thing.
- Marketer Director (\$50M to less than \$100M)

Better pricing and quality.
- Agency President (\$25M to less than \$50M)

”

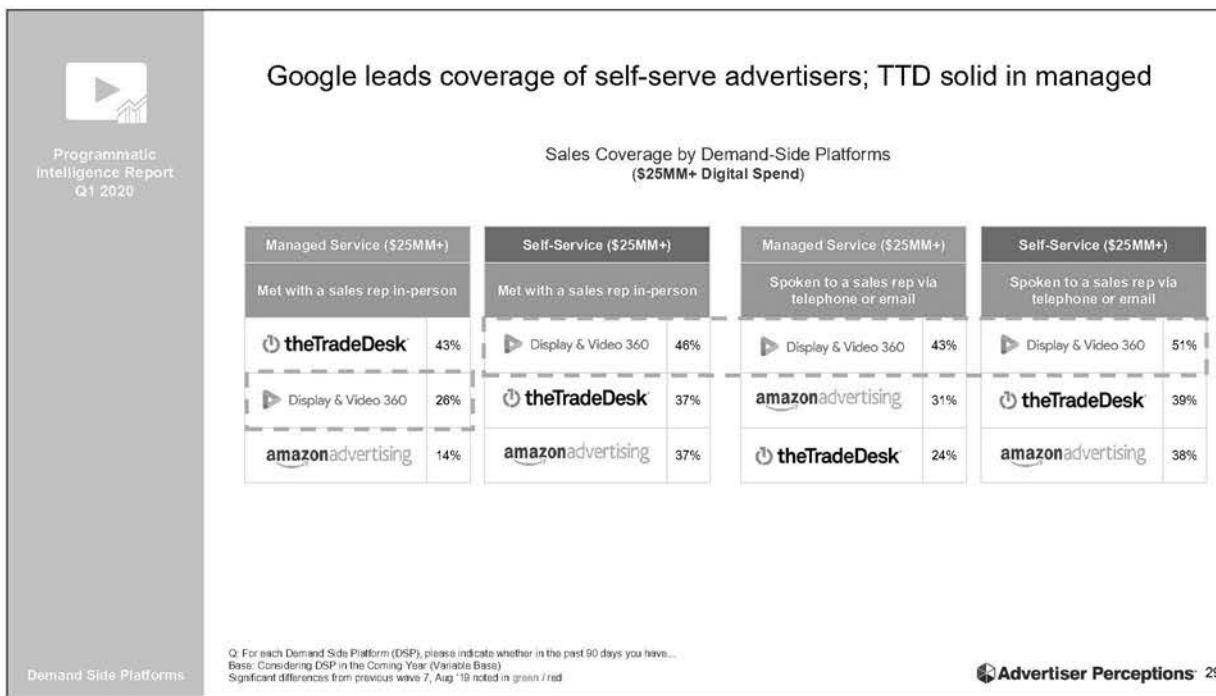
Demand Side Platforms

Q: What does [BRAND] do or offer that makes them your primary choice?
Base: Selected Brand As a Primary Choice

Indicates annual digital ad spend

Advertiser Perceptions 28

Q226a.



Q250 Sales coverage



**Selection & recommendation
drivers, with ratings of DSPs**

 Advertiser Perceptions



Programmatic
Intelligence Report
Q1 2020

Demand Side Platforms

Determining drivers influencing plans to consider & likelihood to recommend DSPs

PERFORMANCE & TECHNOLOGY CRITERIA:

1. QA/Troubleshooting capabilities
2. Audience scale or reach
3. Audience targeting capabilities
4. Easy to use interface/UX
5. Client platform integration
6. **ROI/ROAS**
7. Ease of onboarding
8. Data protection

INSIGHTS CRITERIA:

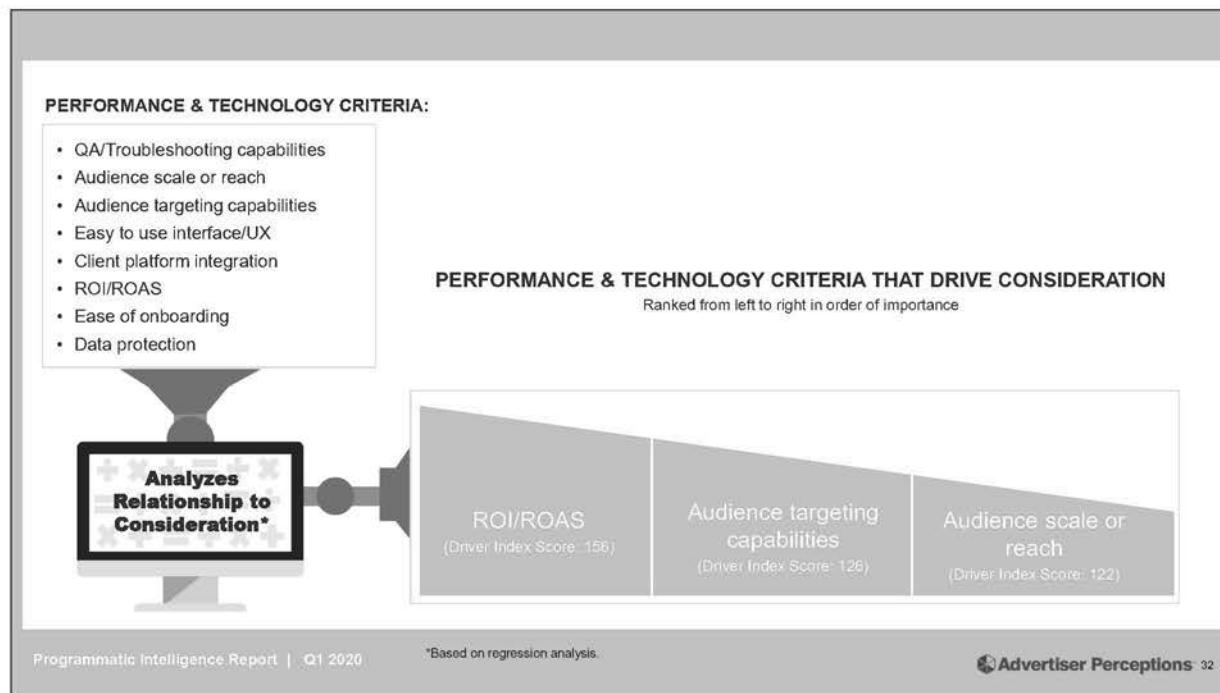
1. Exporting data to your analytics platform
2. Thought leadership
3. **Audience analytics reporting**
4. Post ad campaign insights and recommendations

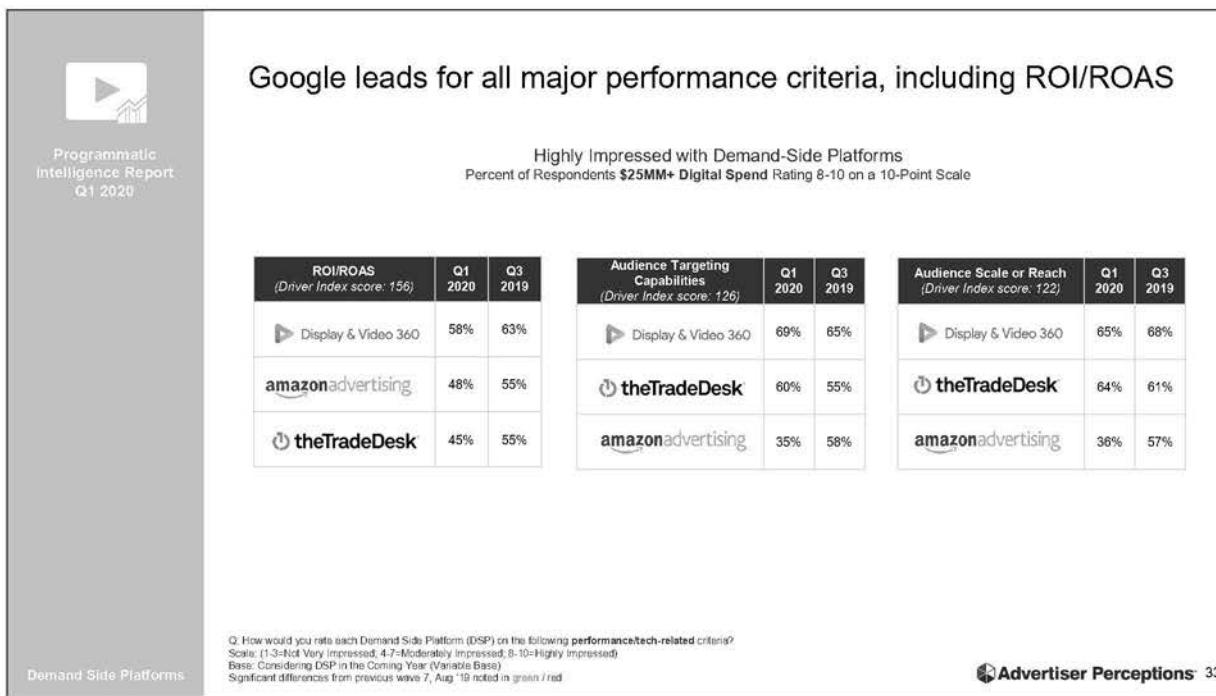
RELATIONSHIP CRITERIA:

1. **Technology vision and roadmap**
2. Consultative approach to relationship
3. **Service and support**
4. Application quality assurance

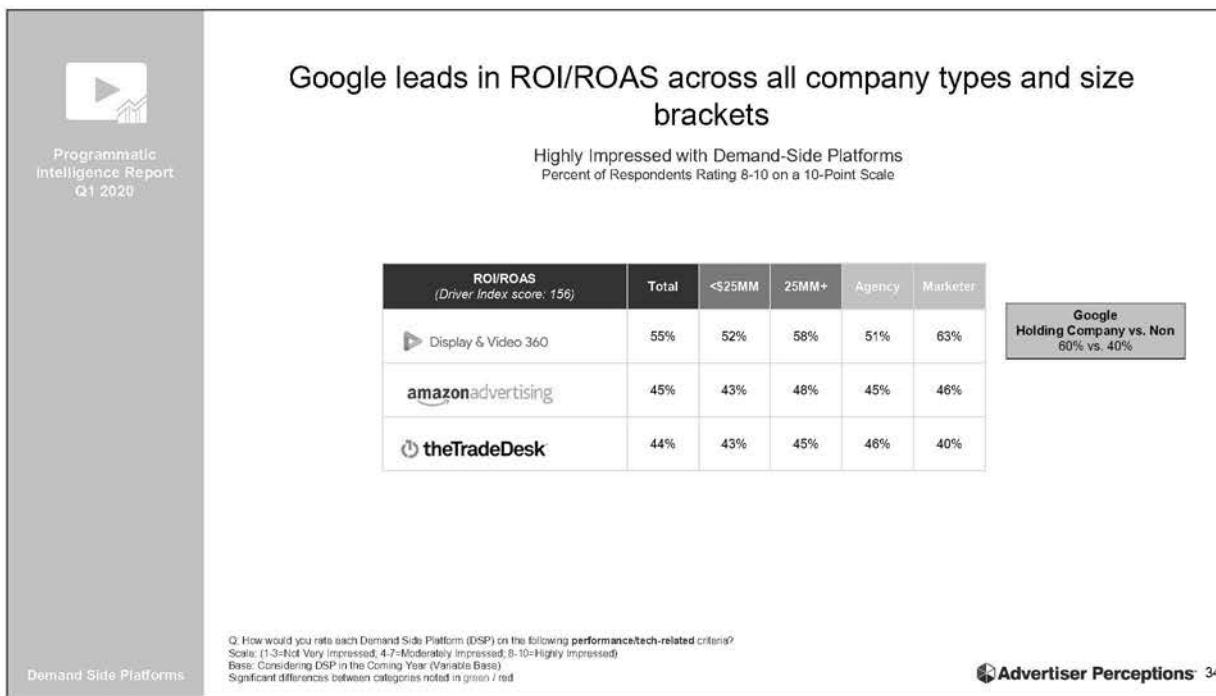
 Advertiser Perceptions 31

Q235, Q240, Q245





Q235 Performance ratings



Q235 Performance ratings

 Programmatic Intelligence Report Q1 2020

Google leads for audience targeting capabilities Sees highest ratings among \$25MM+; marketers and holding companies

Highly Impressed with Demand-Side Platforms
Percent of Respondents Rating 8-10 on a 10-Point Scale

Audience Targeting Capabilities (Driver Index score: 126)	Total	<\$25MM	25MM+	Agency	Marketer
Display & Video 360	64%	58%	69%	61%	70%
theTradeDesk	60%	60%	60%	59%	62%
amazonadvertising	46%	53%	35%	41%	50%

Google Holding Company vs. Non
69% vs. 51%

Q: How would you rate each Demand-Side Platform (DSP) on the following performance/tech-related criteria? Scale: (1-3=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed)
Base: Considering DSP in the Coming Year (Variable Base)
Significant differences between categories noted in green / red

Advertiser Perceptions 35

Q235 Performance ratings

Programmatic Intelligence Report Q1 2020

Google tops for audience scale or reach among all groups except agencies

Highly Impressed with Demand-Side Platforms
Percent of Respondents Rating 8-10 on a 10-Point Scale

Audience Scale or Reach (Driver Index score: 122)	Total	<\$25MM	25MM+	Agency	Marketer
Display & Video 360	68%	71%	65%	59%	82%
theTradeDesk	64%	63%	64%	62%	67%
amazonadvertising	42%	46%	36%	36%	48%

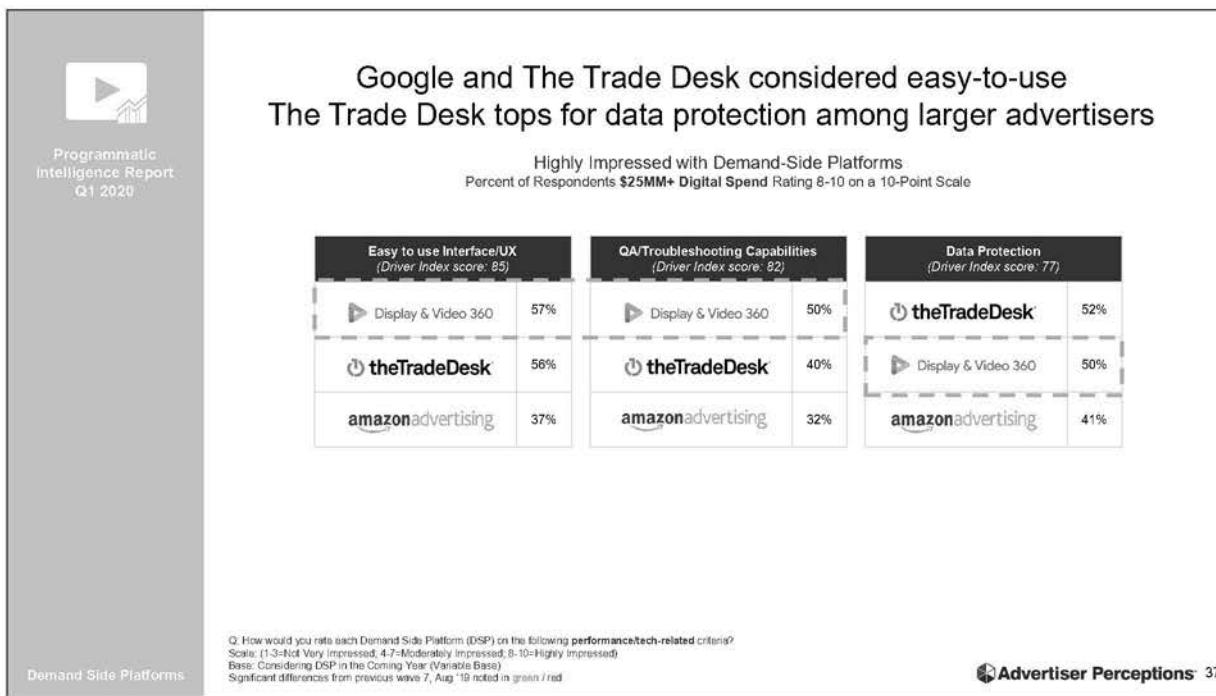
Google Holding Company vs. Non
64% vs. 53%

Q: How would you rate each Demand-Side Platform (DSP) on the following performance/tech-related criteria?
Scale: (1-3=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed)
Base: Considering DSP in the Coming Year (Variable Base)
Significant differences between categories noted in green / red

Advertiser Perceptions 36

Demand Side Platforms

Q235 Performance ratings



Q235 Performance ratings

 Programmatic Intelligence Report Q1 2020

Google strongest for ease of use among \$25MM+, marketers and holding companies

Highly Impressed with Demand-Side Platforms
Percent of Respondents Rating 8-10 on a 10-Point Scale

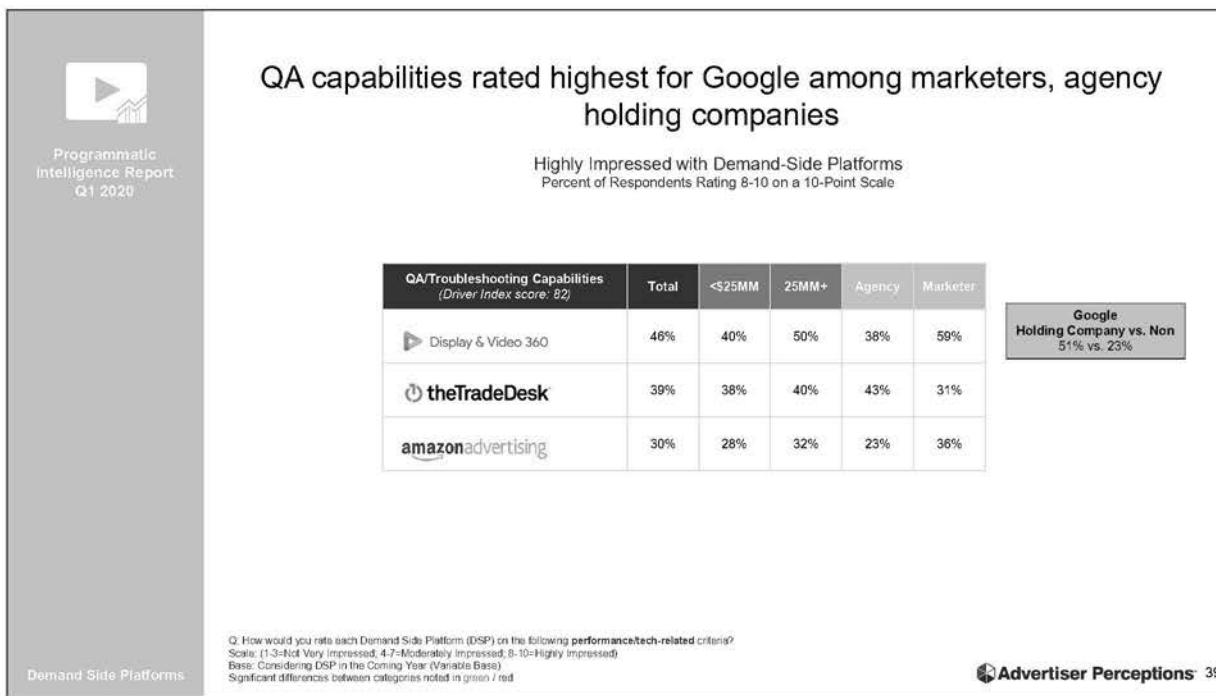
Easy to use Interface/UX (Driver Index score: 85)	Total	<\$25MM	25MM+	Agency	Marketer
Display & Video 360	50%	42%	57%	45%	60%
theTradeDesk	44%	33%	56%	46%	39%
amazonadvertising	31%	26%	37%	28%	33%

Google Holding Company vs. Non
55% vs. 31%

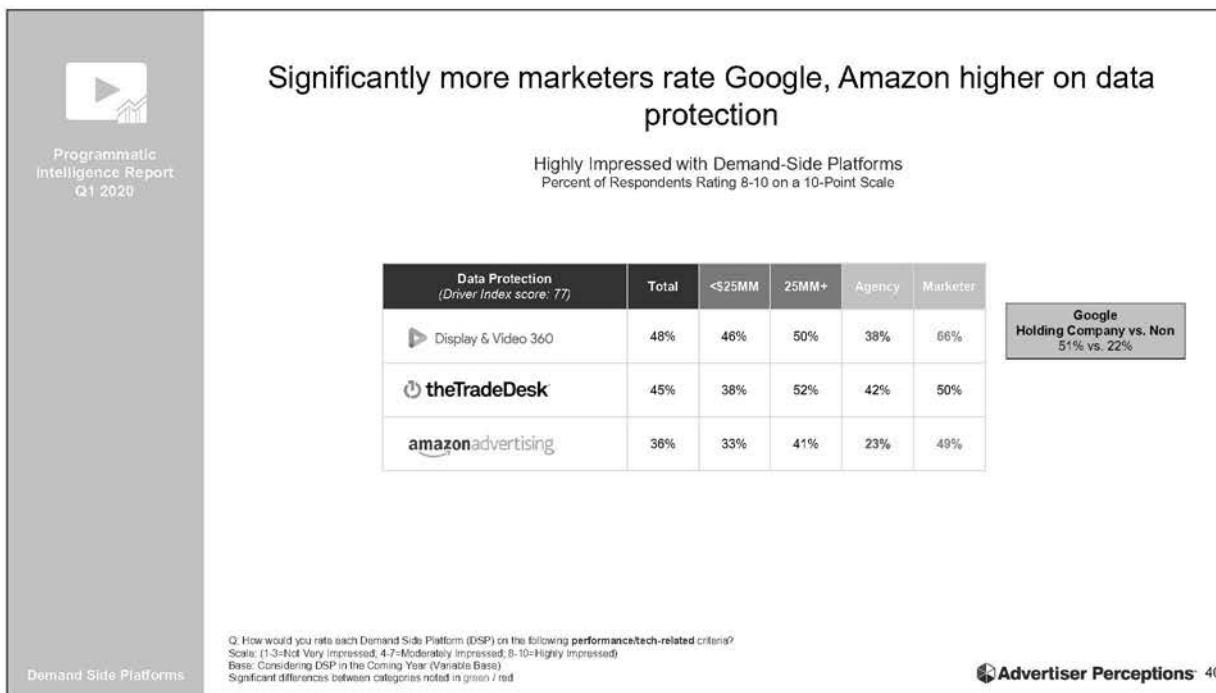
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Base: Considering DSP in the Coming Year (Variable Base)
Significant differences between categories noted in green / red

Advertiser Perceptions 38

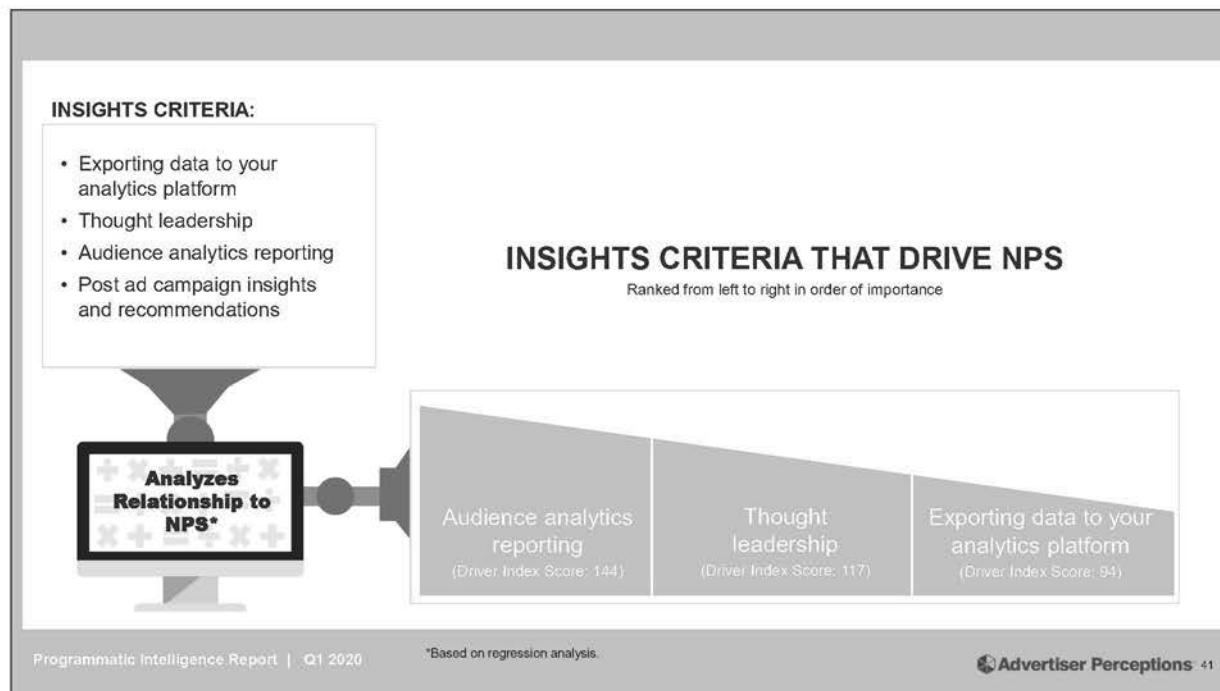
Q235 Performance ratings



Q235 Performance ratings



Q235 Performance ratings



 Programmatic Intelligence Report Q1 2020

Google ties The Trade Desk on audience analytics

Google gets top marks for data exporting and thought leadership

Highly Impressed with Demand-Side Platforms
Percent of Respondents \$25MM+ Digital Spend Rating 8-10 on a 10-Point Scale

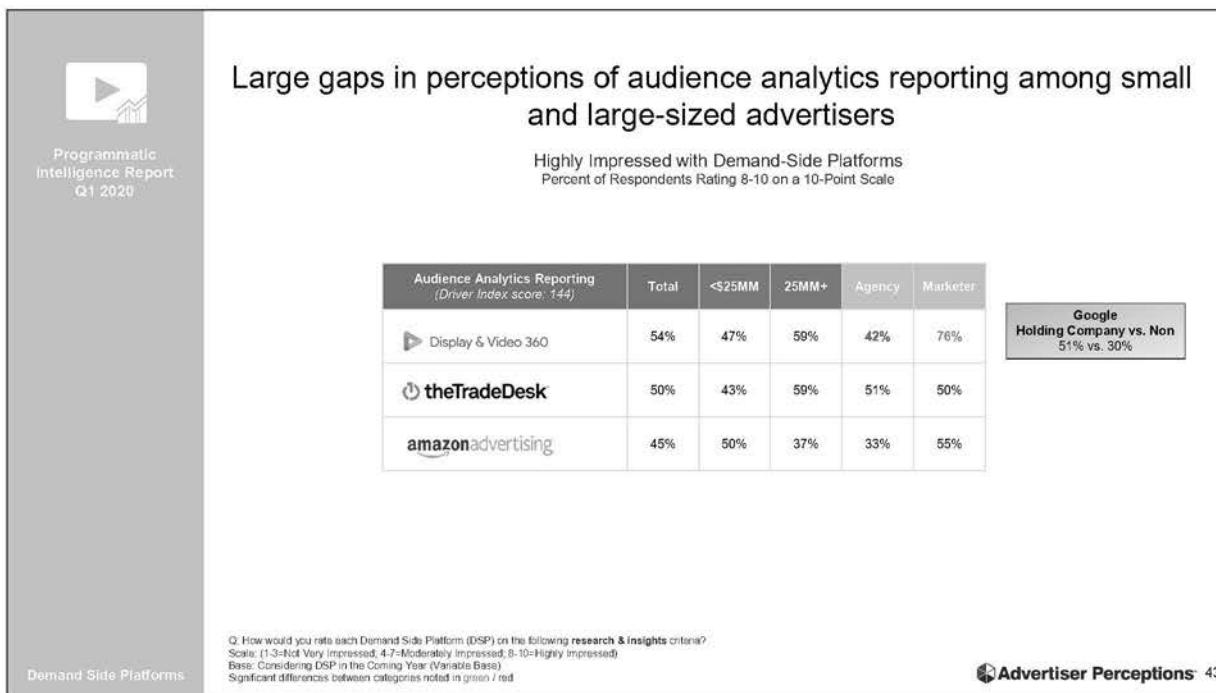
Audience Analytics Reporting (Driver Index score: 144)		Q1 2020	Q3 2019	Exporting Data to Your Analytics Platform (Driver Index score: 94)		Q1 2020	Q3 2019	Thought Leadership (Driver Index score: 117)		Q1 2020	Q3 2019
	Display & Video 360	59%	59%		Display & Video 360	64%	59%		Display & Video 360	49%	52%
	theTradeDesk	59%	54%		theTradeDesk	50%	48%		theTradeDesk	36%	52%
	amazon advertising	37%	55%		amazon advertising	34%	46%		amazon advertising	30%	58%

Q: How would you rate each Demand-Side Platform (DSP) on the **research and insights** they provide?
Scale: (1-3=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed)
Base: Considering DSP in the Coming Year (Variable Basis)
Significant differences from previous wave 7, Aug '19 noted in green / red

Demand Side Platforms

 **Advertiser Perceptions** 42

Q240 Research and insights ratings



Q235 Performance ratings

 Programmatic Intelligence Report Q1 2020

Advertiser size less of a factor in ratings for exporting data to analytics platforms

Highly Impressed with Demand-Side Platforms
Percent of Respondents Rating 8-10 on a 10-Point Scale

Exporting Data to Your Analytics Platform (Driver Index score: 94)	Total	<\$25MM	25MM+	Agency	Marketer
Display & Video 360	63%	61%	64%	59%	71%
theTradeDesk	50%	51%	50%	51%	48%
amazonadvertising	37%	39%	34%	24%	49%

Google Holding Company vs. Non
64% vs. 52%

Q: How would you rate each Demand-Side Platform (DSP) on the following research & insights criteria?
Scale: 1-3=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed
Base: Considering DSP in the Coming Year (Variable Base)
Significant differences between categories noted in green / red

Advertiser Perceptions 44

Q235 Performance ratings

 Programmatic Intelligence Report Q1 2020

Larger advertisers, marketers rate Google higher on thought leadership
Smaller advertisers give The Trade Desk, Amazon higher ratings

Highly Impressed with Demand-Side Platforms
Percent of Respondents Rating 8-10 on a 10-Point Scale

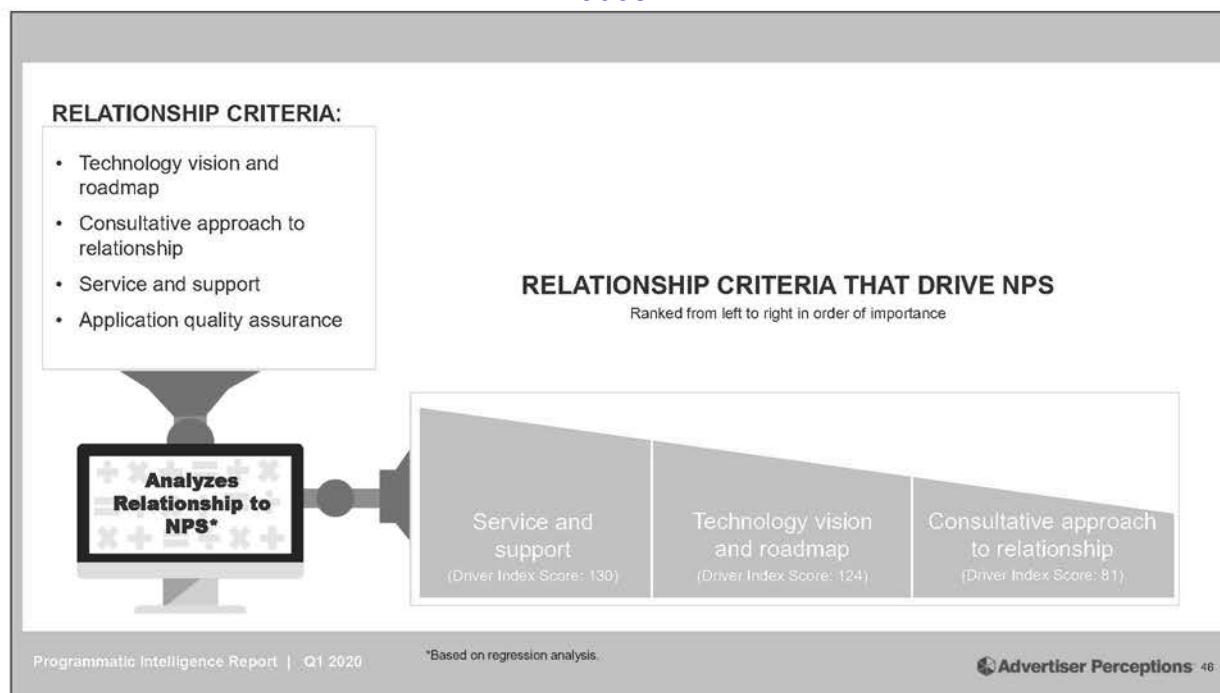
Thought Leadership (Driver Index score: 117)	Total	<\$25MM	25MM+	Agency	Marketer
Display & Video 360	41%	31%	49%	30%	60%
theTradeDesk	39%	43%	36%	40%	39%
amazonadvertising	37%	42%	30%	29%	44%

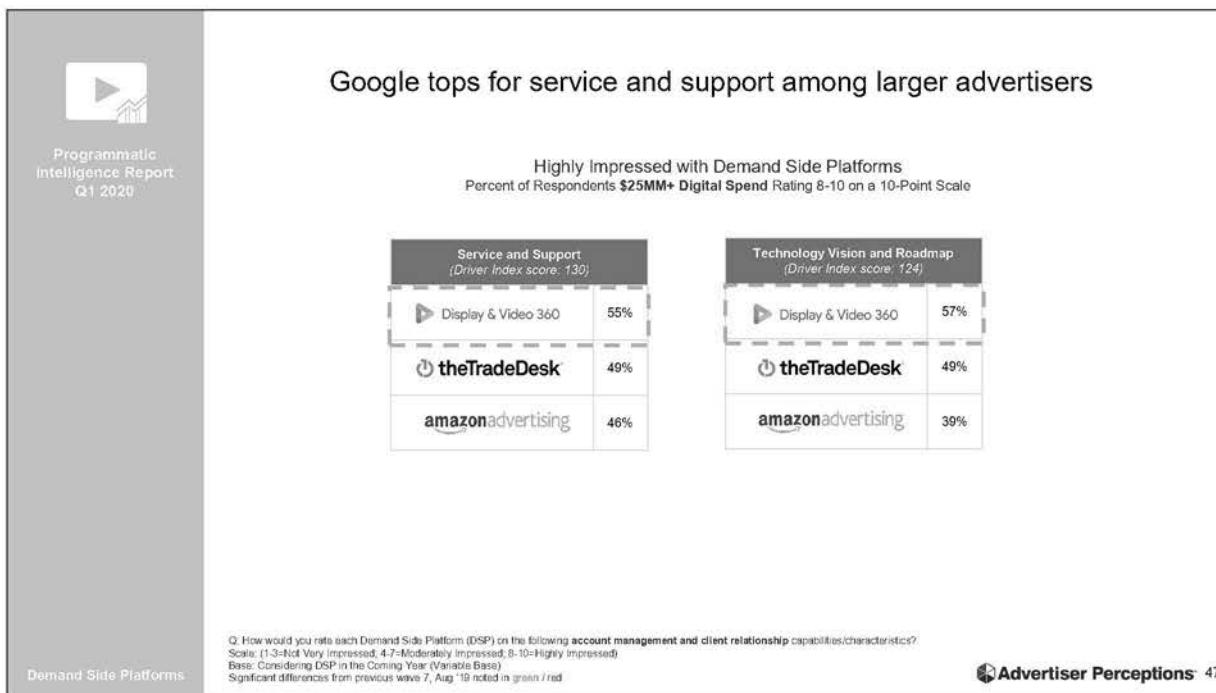
Google Holding Company vs. Non
42% vs. 15%

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Base: Considering DSP in the Coming Year (Variable Base)
Significant differences between categories noted in green / red

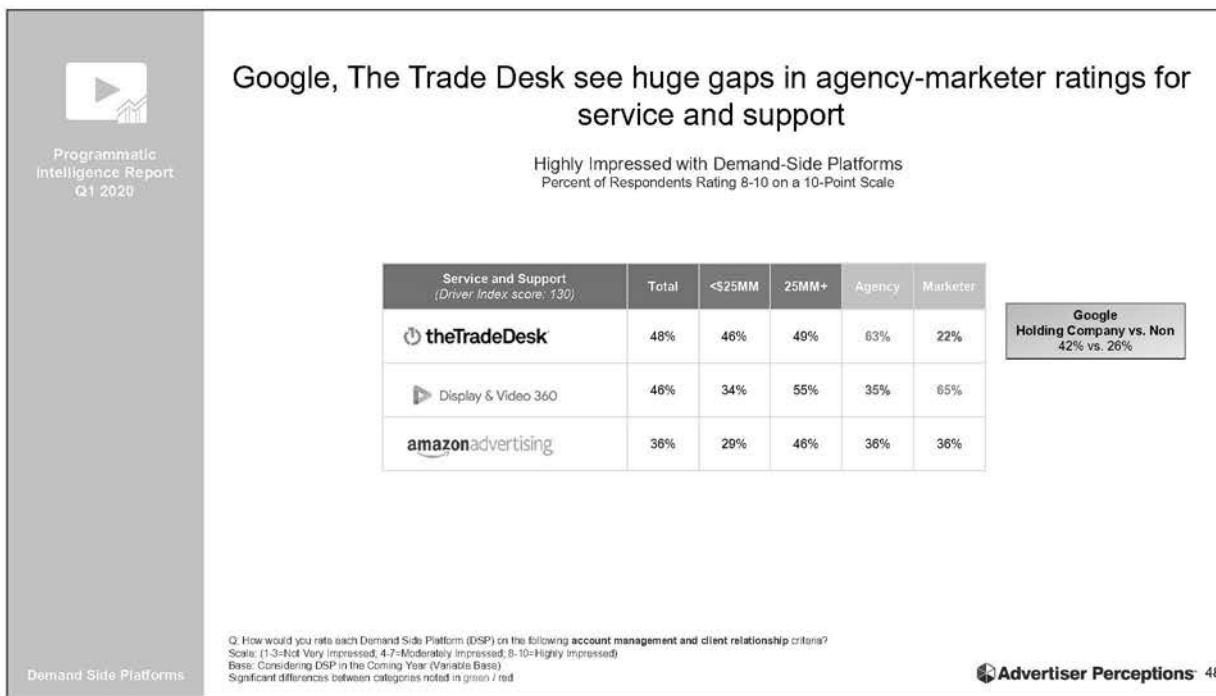
 Advertiser Perceptions 45

Q235 Performance ratings





Q245 Relationship ratings



Q235 Performance ratings

Little difference in technology vision and roadmap ratings by advertiser size

Programmatic Intelligence Report Q1 2020

Highly Impressed with Demand-Side Platforms
Percent of Respondents Rating 8-10 on a 10-Point Scale

Technology Vision and Roadmap (Driver Index score: 124)	Total	<\$25MM	25MM+	Agency	Marketer
Display & Video 360	53%	49%	57%	52%	56%
theTradeDesk	49%	48%	49%	57%	35%
amazonadvertising	41%	42%	39%	33%	49%

Google Holding Company vs. Non
60% vs. 41%

Q: How would you rate each Demand-Side Platform (DSP) on the following account management and client relationship criteria?
Scale: (1-3=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed)
Base: Considering DSP in the Coming Year (Variable Base)
Significant differences between categories noted in green / red

Advertiser Perceptions: 49

Demand Side Platforms

Q235 Performance ratings



Where there is ground to gain: relationships & service

“

They don't have a human element to their training. If Google isn't going to offer a human element to their technology training, they're at a disadvantage... The Trade Desk literally has a team of people who are platform experts. They're not reviewing the buys, but they're there to train new employees, answer questions and go work with the product team for enhancement and improvements and troubleshoot issues that come up. Google believes that problems with their software are your problem. If you want YouTube inventory programmatically, you have to use DV360. That's a really powerful reason to pick them. Their service is not one.

-Global head of marketing, \$100M+

Demand Side Platforms

Source: May 2020, interviews with executives as part of the Demand-Side Platform Wave 8 Report

Advertiser Perceptions 50



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Demand Side Platforms

Other challenges we see for Google among top spenders

- The continuing advance of The Trade Desk
 - "Continually on the cutting edge"
 - "Their UX is NOT easy, but they make it easy by their training and always-on support"
 - "They passed every test. Once we clear legal, we will drop MediaMath and use TTD as our primary"
- Amazon's position with marketers selling on the Amazon platform
 - "Our agency would go with Google or The Trade Desk. Several of our largest clients dictate that we work with Amazon. There's little patience for our counter arguments."

 Advertiser Perceptions

51



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Intelligence Report
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Demand Side Platforms

Key Takeaways

Funnel Metrics:

- Display & Video 360 now most-used DSP for total, managed and self-serve buyers
 - Google sees a big spike in usage among self-serve buyers.
- Use of Amazon Advertising nearly double for those selling products on Amazon vs. those who don't
- Google unseats Amazon for **most-preferred** DSP

Perceptions:

- ROI/ROAS, audience targeting, reach/scale ratings have greatest impact on consideration:
 - Google leads in all 3 criteria
- Analytics, thought leadership, service, technology vision/roadmap have greatest NPS impact:
 - Google in a leading position across all but service
 - And with the largest spenders, Google is #1 across the board

 Advertiser Perceptions 52



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Demand Side Platforms

Recommendations

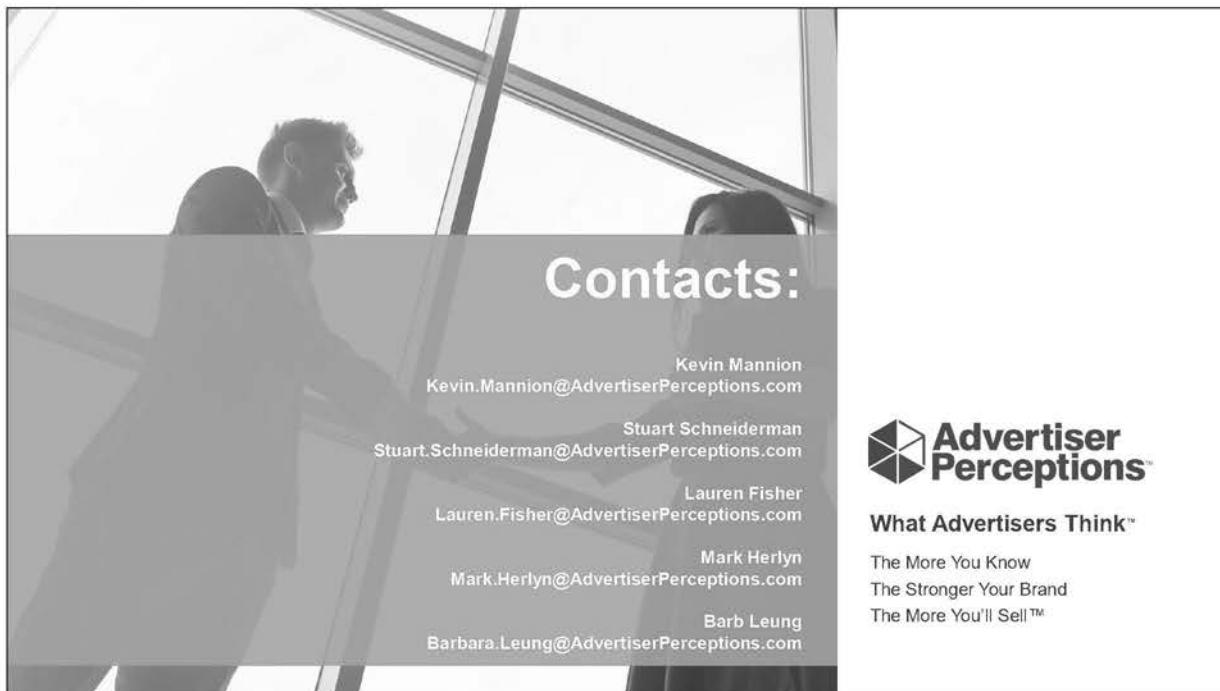
Strengths to Leverage:

- **Google the leader for majority of funnel metrics & ratings**
- **Strongest position with larger spending advertisers.** Funnel metrics and criteria ratings trend higher among larger advertisers, particularly self-serve advertisers.
- **Self-serve momentum.** Self-serve use and preference continues to rise; nearly all self-serve buyers intending to use/considering Google

Red Flags:

- **Amazon strength and standing increases when advertisers are using Amazon to sell products & using its DSP**
- **Continuing to trail The Trade Desk in service & support with mid-to lower spending advertisers.** The Trade Desk's high-touch onboarding, training and support capabilities make it a continued contender with self-service advertisers.

 Advertiser Perceptions 53



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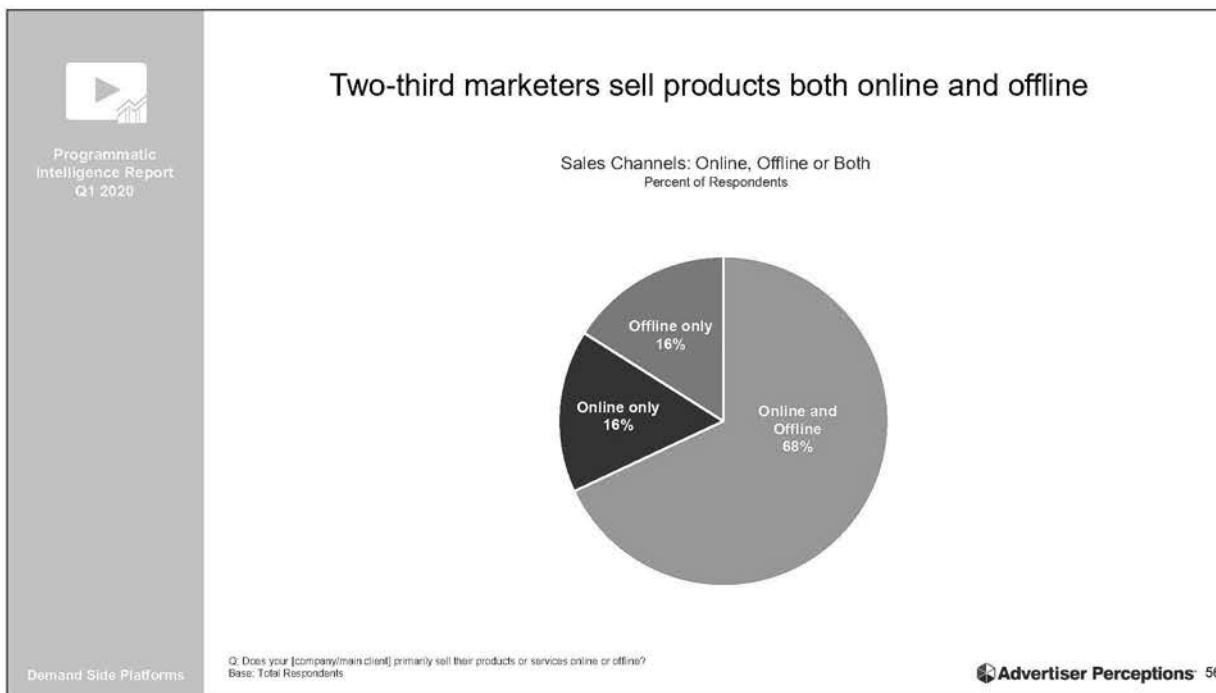
Barb Leung
Barbara.Leung@AdvertiserPerceptions.com

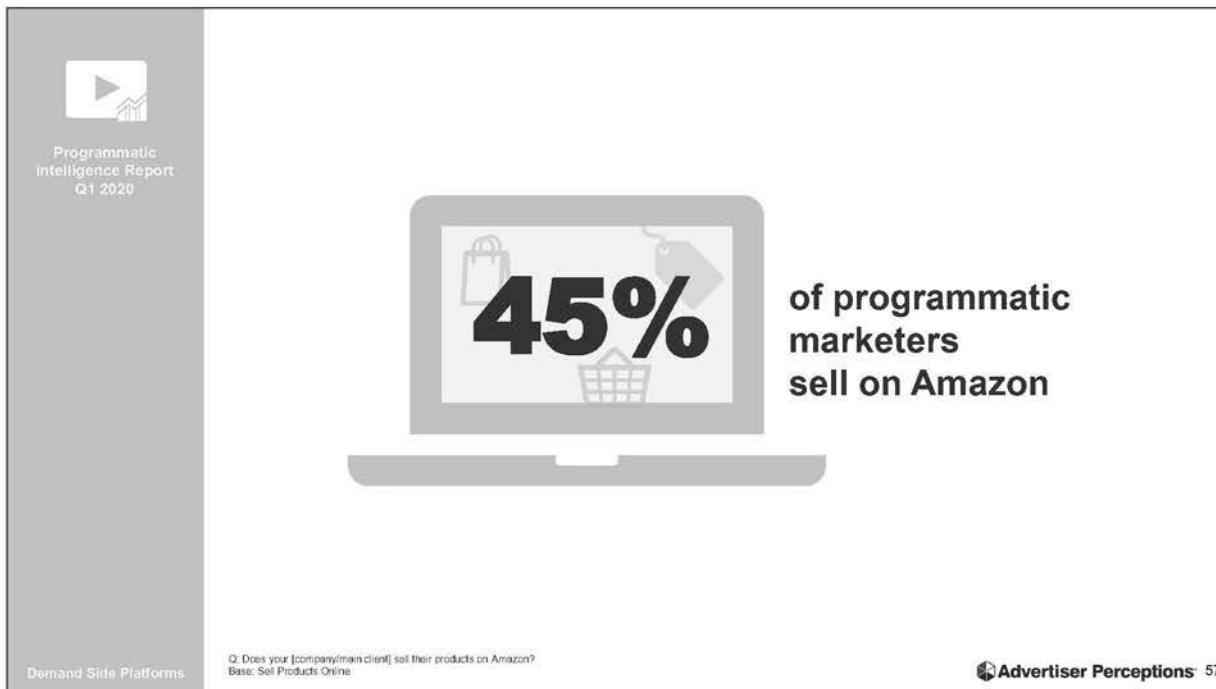
Advertiser Perceptions

What Advertisers Think™

The More You Know
The Stronger Your Brand
The More You'll Sell™







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Demand Side Platforms

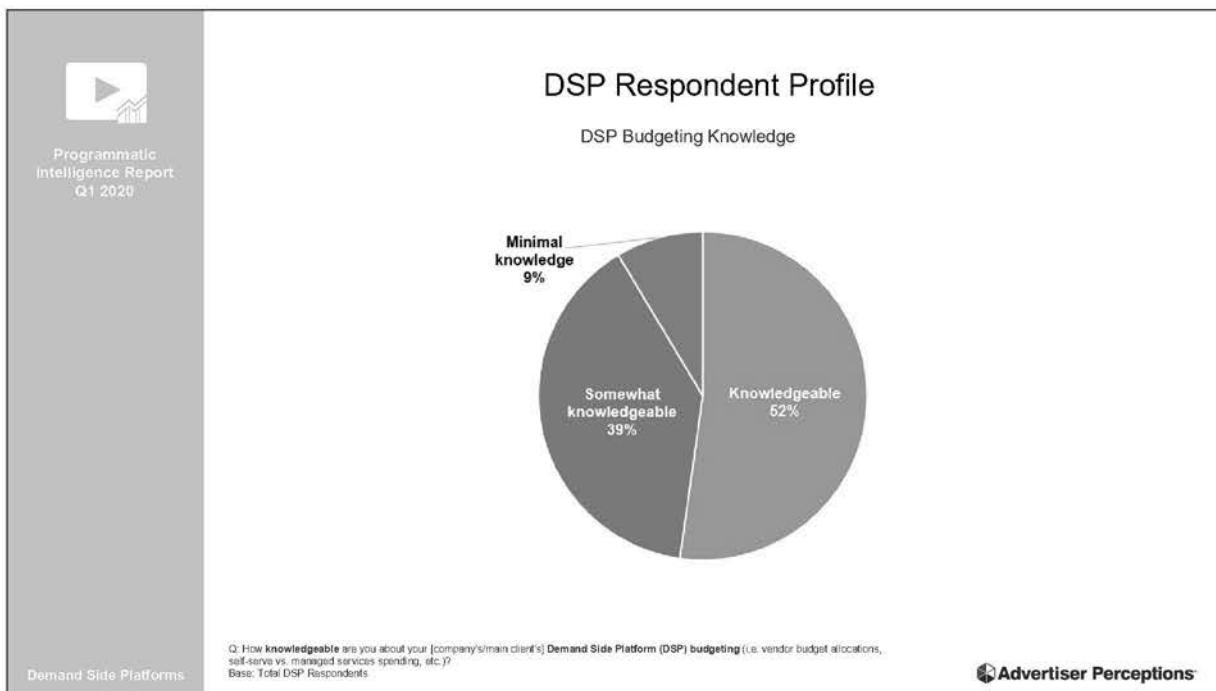
DSP Respondent Profile

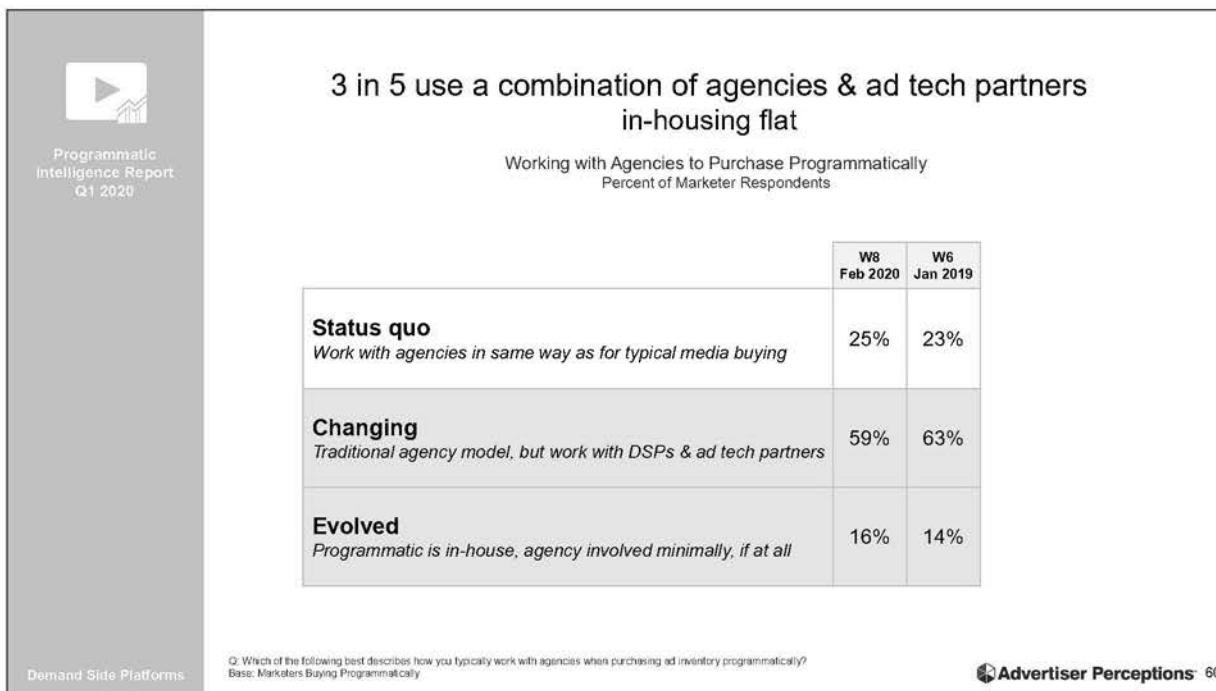
Top Market Sectors (Primary)

Automotive and related
Financial services
Business-to-business
Apparel/Fashion
CPG – Food/Household Products
Consumer Electronics
Telecommunications
Media & Entertainment, arts and recreation
Travel & Tourism
Pharmaceuticals & Remedies (OTC and DTC)
Retail – online
Retail – brick and mortar
Health/Healthcare
Technology

Q: Which of the following market sectors best represents your [company's/main client's] products or services?
Base: Total DSP Respondents

 Advertiser Perceptions





Q23

Half of in-house marketers now rely solely on internal expertise

How Organizations Manage In-House Functions

	W8 Feb 2020	W6 Jan 2019
Use enterprise software AND work with consulting firms & vendors	52%	65%
Rely on enterprise software and in-house teams – NO outside partners	48%	35%

Q: You mentioned that you have brought your programmatic buying in-house. How does your organization manage your in-house functions?
Base: Marketers Who Brought Programmatic In-House

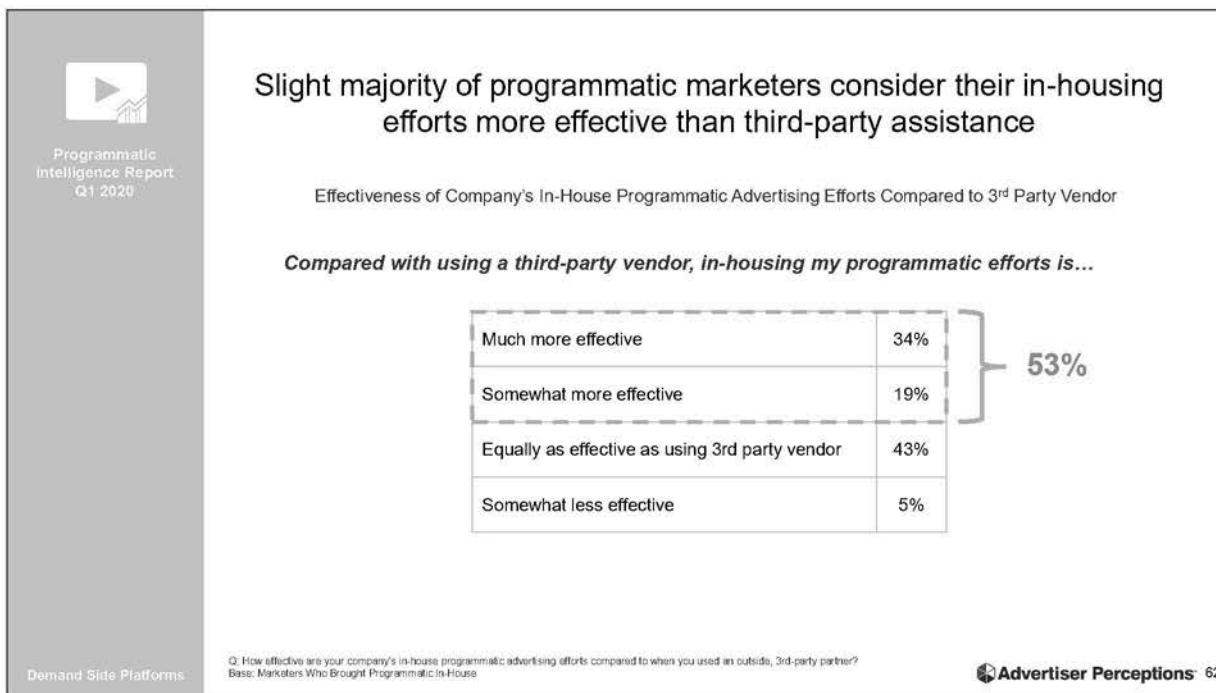
Advertiser Perceptions 61

Demand Side Platforms

Q24

Base size W8 is n=44 respondents

Base size W6 is n=29 respondents



Q25 – NEW IN WAVE 8
Base size is n=44 respondents

METHODOLOGY & RESPONDENT PROFILE



Our Ad Pros Community represents the brands and agencies that are spending the most on advertising and marketing in the U.S. We continuously update, supplement, and refine the community based on movement in the market.

June Omnibus Report

- INTERVIEWS CONDUCTED: 300

- SURVEY FIELDDED: June 1st – 8th, 2020

- EXPRESSING OPINIONS FROM: 40% MARKETER 60% AGENCY

- RANGING IN TITLE:

36% SENIOR VP+

40% MID-LEVEL Director/Supervisor

24% JUNIOR Manager/Planner/Buyer

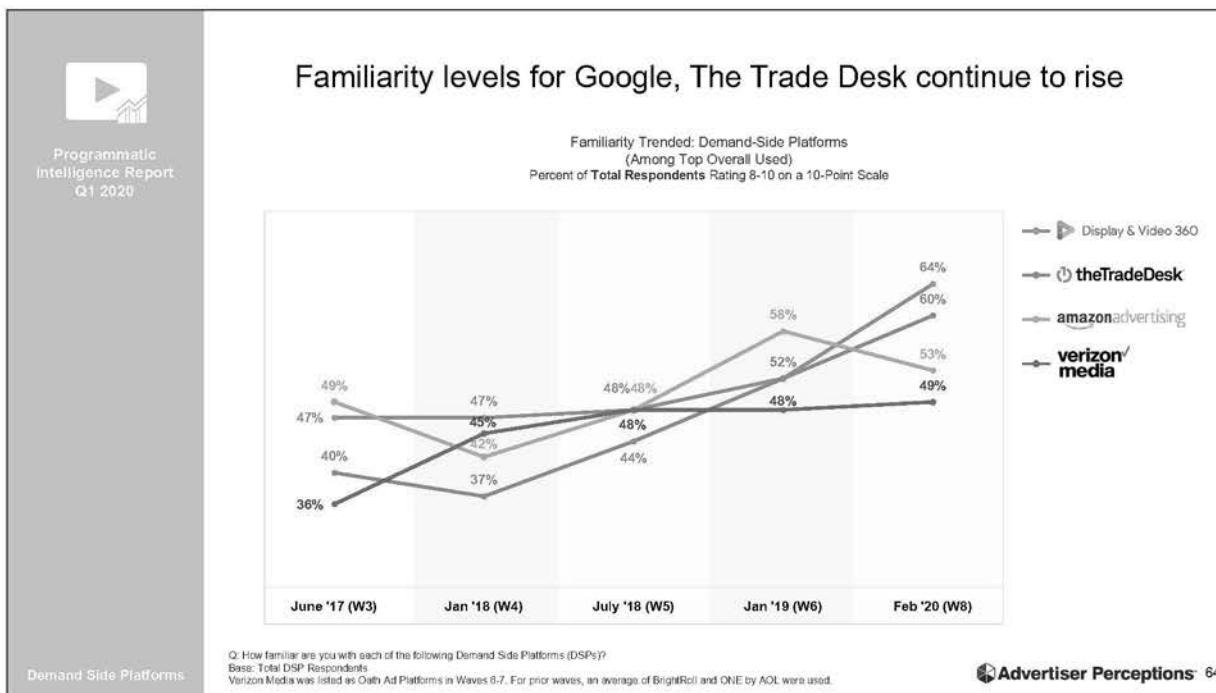
- SAMPLE:** Marketer and agency contacts from The Advertiser Perceptions Ad Pros proprietary community and trusted third-party partners as needed

- QUALIFICATION:** 100% involved in media brand selection decisions

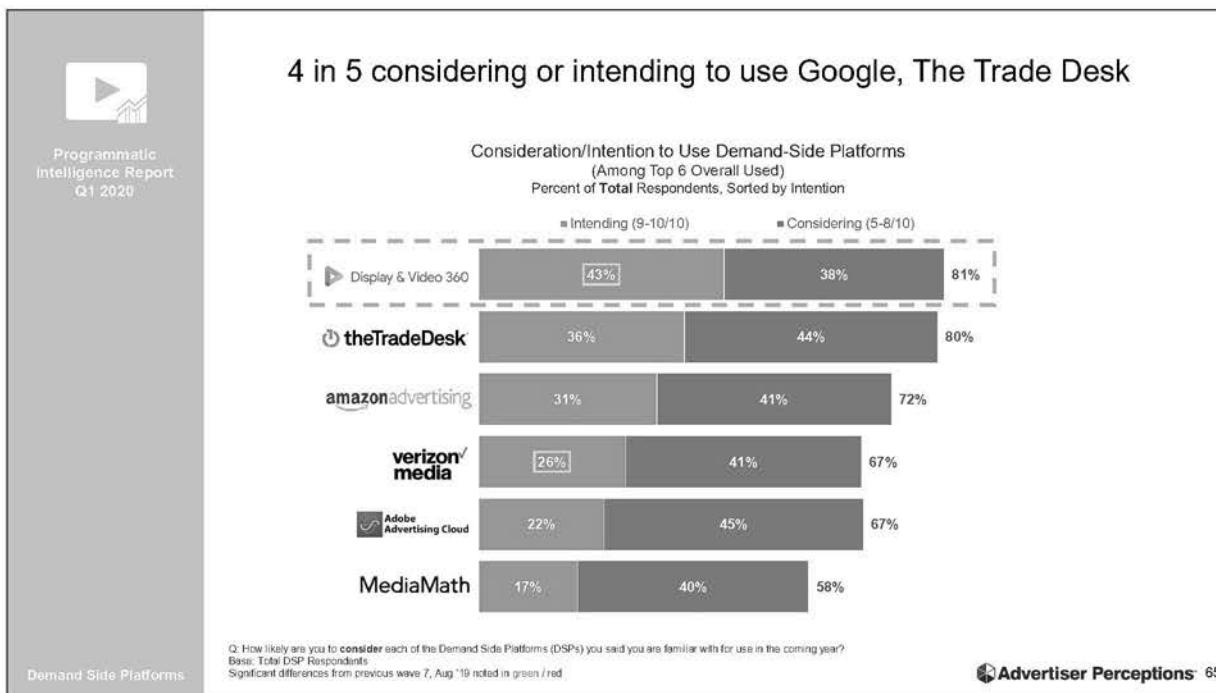
- WEIGHTING:** Data has been sample-balanced and weighted to reflect relative agency/marketer influence

- Incentives include cash and information

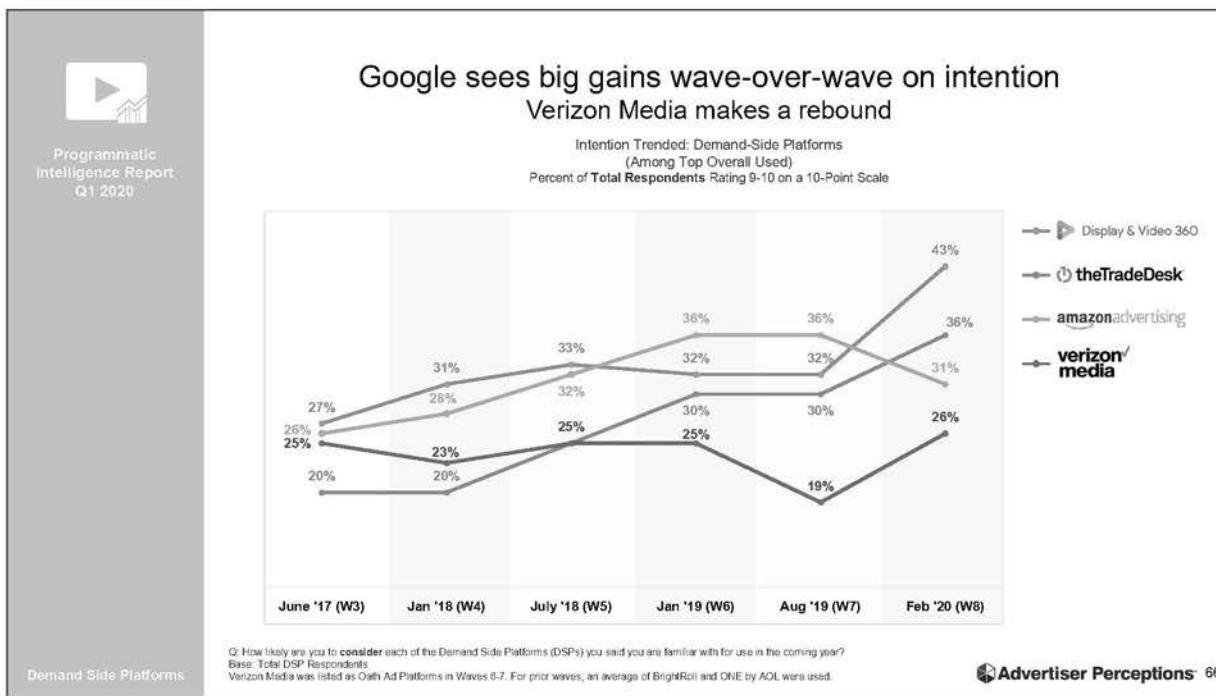
 Advertiser Perceptions 63



Q220



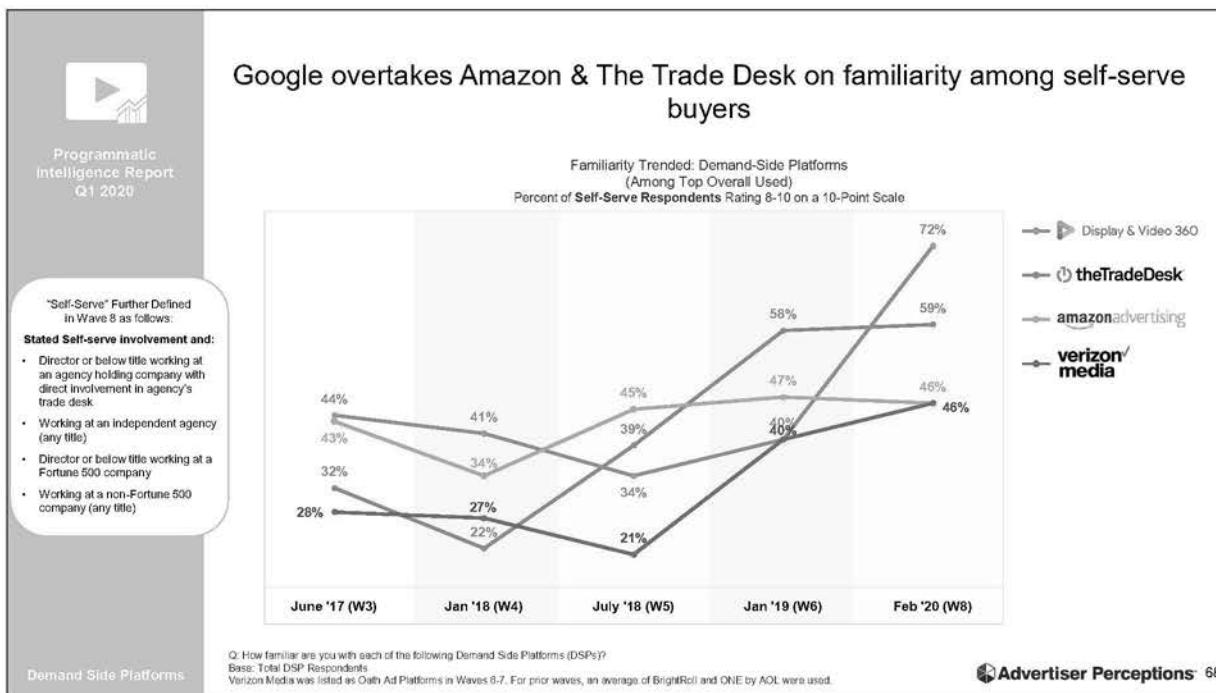
Q220 Consideration/Intention



Q220



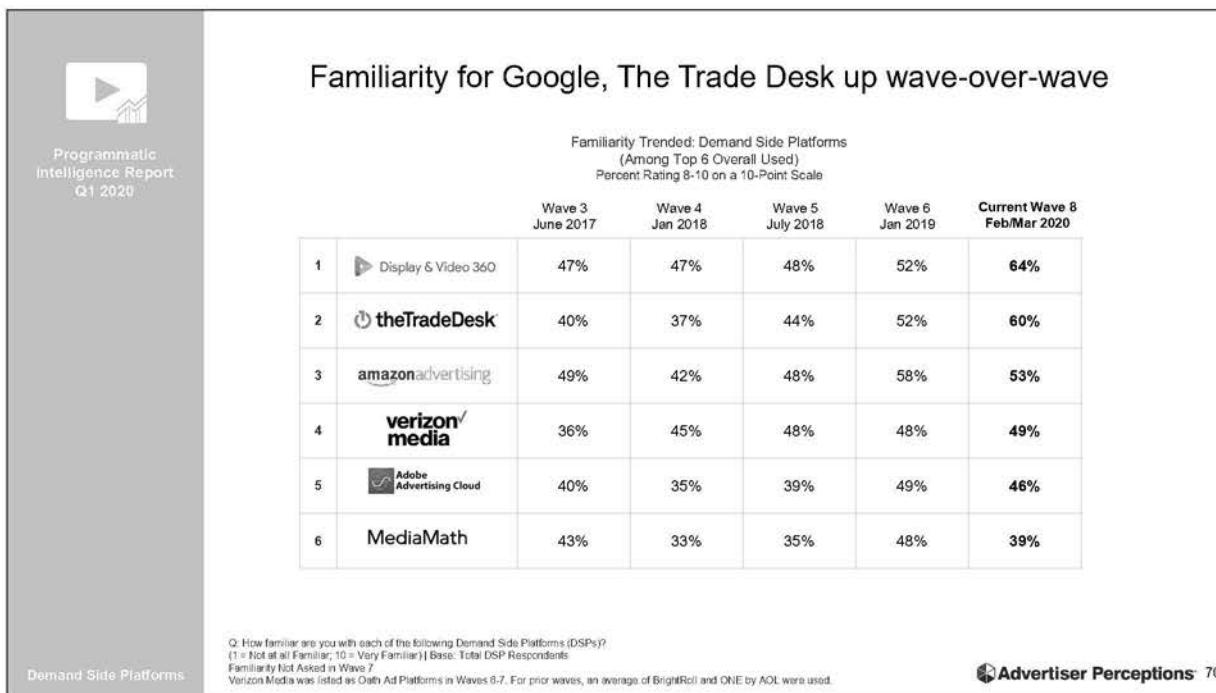
Q210 Familiarity



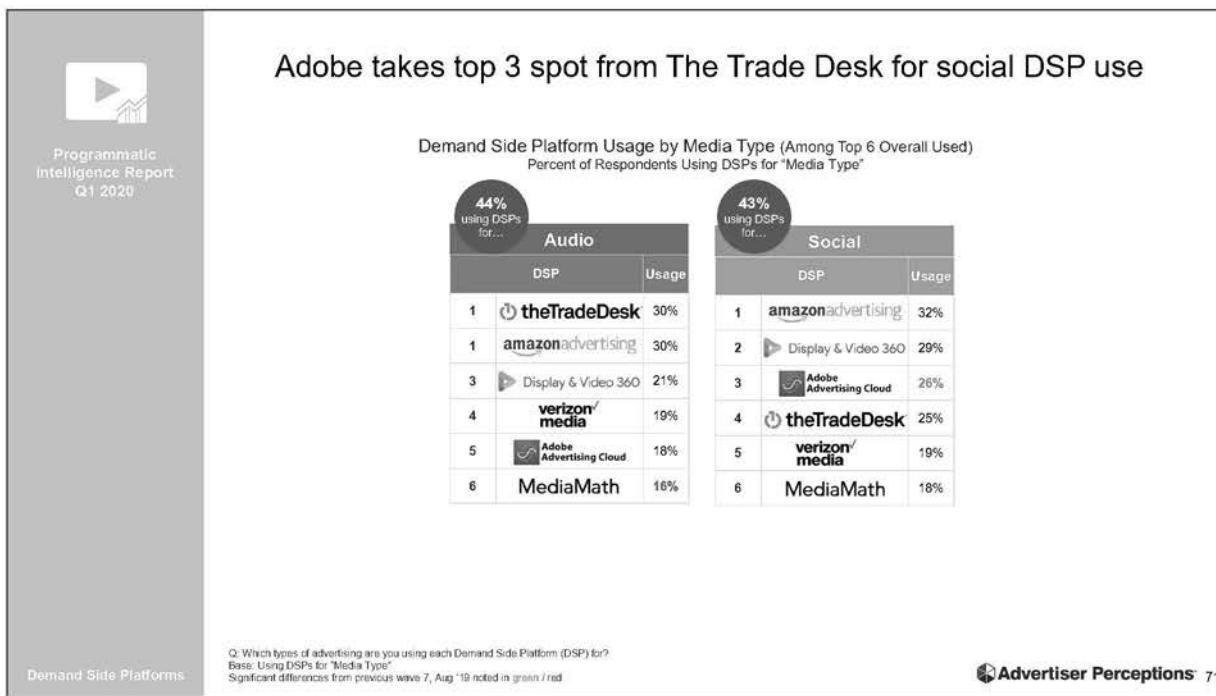
Q220



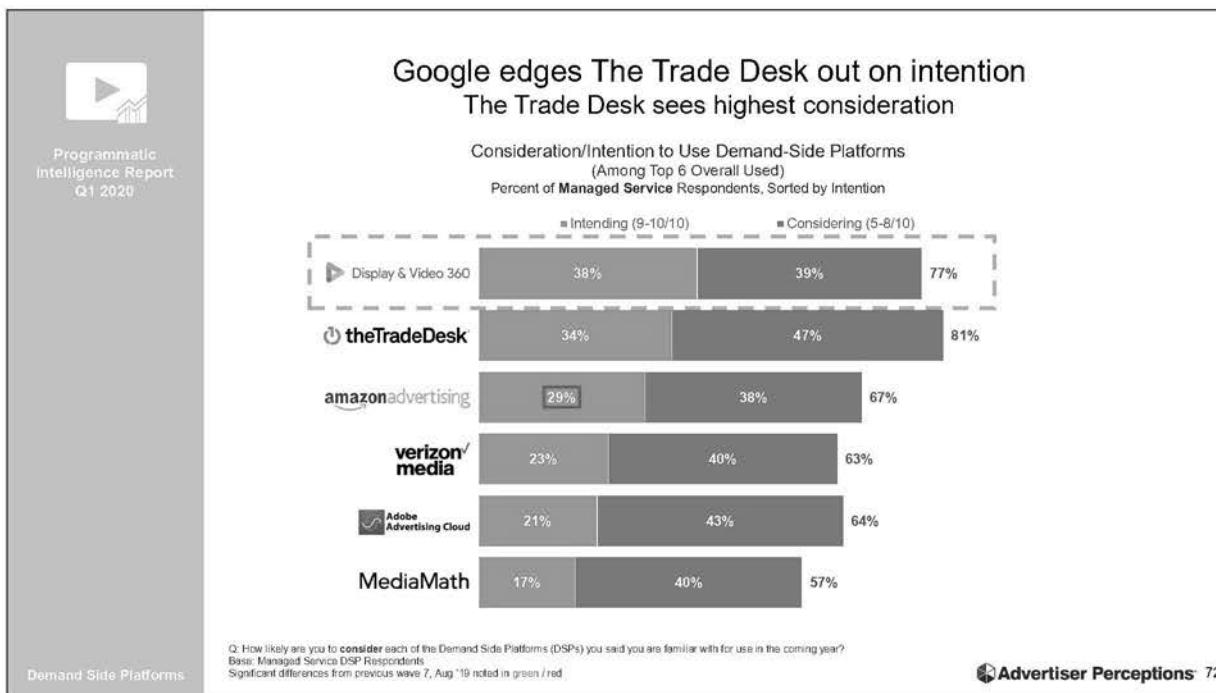
Q215 Usage
S80b Amazon



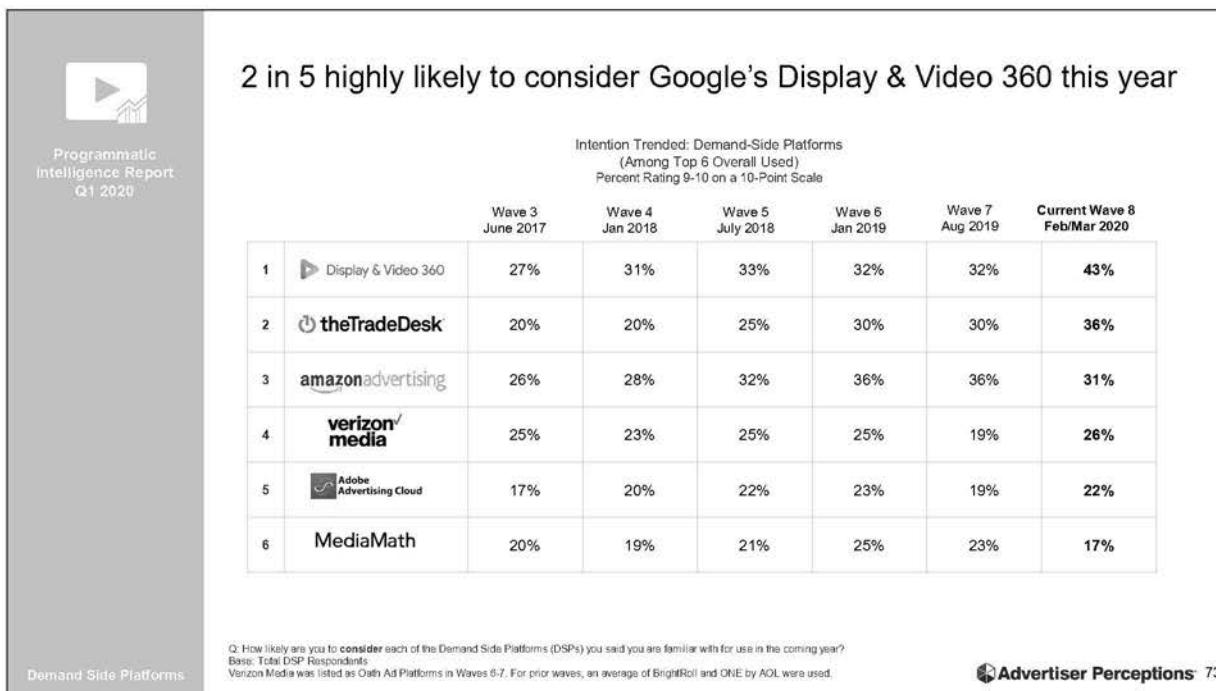
Q220



Q232



Q220 Consideration/Intention



Q220



Programmatic
Intelligence Report
Q1 2020

Google, The Trade Desk and Amazon most-preferred DSPs

Preference Trended: Demand-Side Platforms
(Among Top 6 Overall Used)

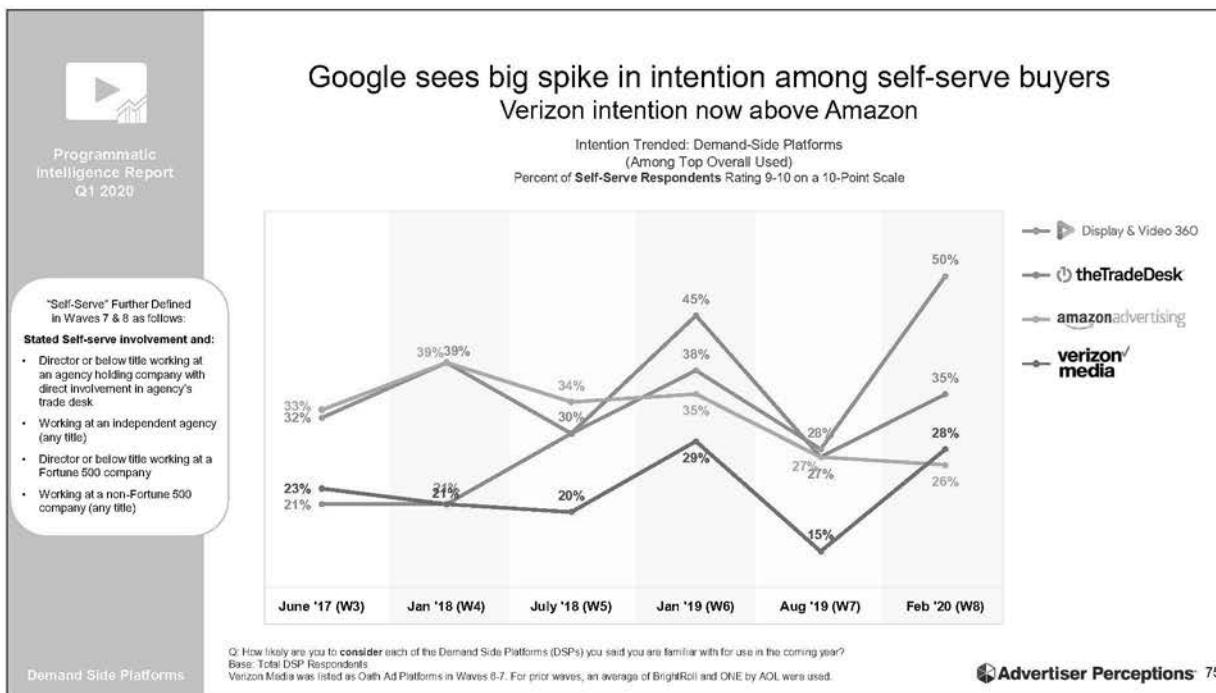
		Wave 3 June 2017	Wave 4 Jan 2018	Wave 5 July 2018	Wave 6 Jan 2019	Wave 7 Aug 2019	Current Wave 8 Feb/Mar 2020
1	 Display & Video 360	22%	24%	17%	20%	18%	24%
2	 theTradeDesk	6%	8%	12%	14%	16%	21%
2	 amazonadvertising	25%	28%	24%	23%	26%	21%
4	 Adobe Advertising Cloud	5%	5%	12%	9%	4%	6%
5	 verizon media	7%	5%	7%	8%	5%	5%
6	MediaMath	9%	3%	6%	8%	10%	3%

Q: If you had to choose only one of these Demand Side Platforms (DSPs) to work with, which would you choose?
Base: Considering Any DSP
Verizon Media was listed as Oath Ad Platforms in Waves 6-7. For prior waves, an average of BrightRoll and ONE by AOL were used.

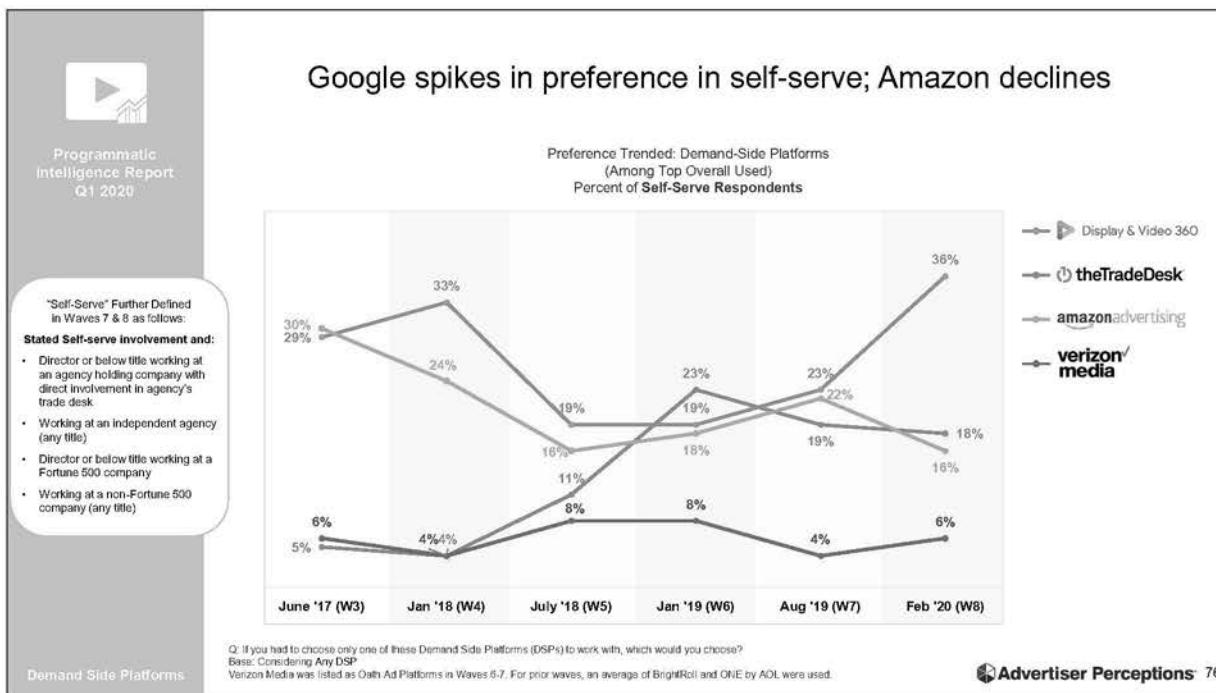
 **Advertiser Perceptions** 74

Q226 Preference

Note: "Considering any DSP" version in tables.



Q220



Q220



Programmatic
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Q1 2020

Verizon Media DSP as preferred DSP: Easy-to-use, customer service

Reasons for DSP Preference

“

Predictive segments really work well for us.
- Marketer Manager (\$25M to less than \$50M)

They have good pricing.
- Agency President (\$1M to less than \$5M)

The placement capabilities and their inventory across all their partnerships.
- Marketer VP (\$10M to less than \$25M)

Easy-to-use, effective, produces needed tangible results per each campaign.
- Marketer VP (\$10M to less than \$25M)

They are well secured and equipped.
- Agency President (\$250M to less than \$500M)

They offer a full breadth of service that is coupled with seemingly the best service team in the industry.
- Agency VP (\$50M to less than \$100M)

Broad reach.
- Marketer VP (\$5M to less than \$10M)

Better customer service and just service and marketing in general.
- Agency VP (\$50M to less than \$100M)

Easy-to-use, ATV [advanced TV] opportunities.
- Agency Supervisor (\$50M to less than \$100M)

”

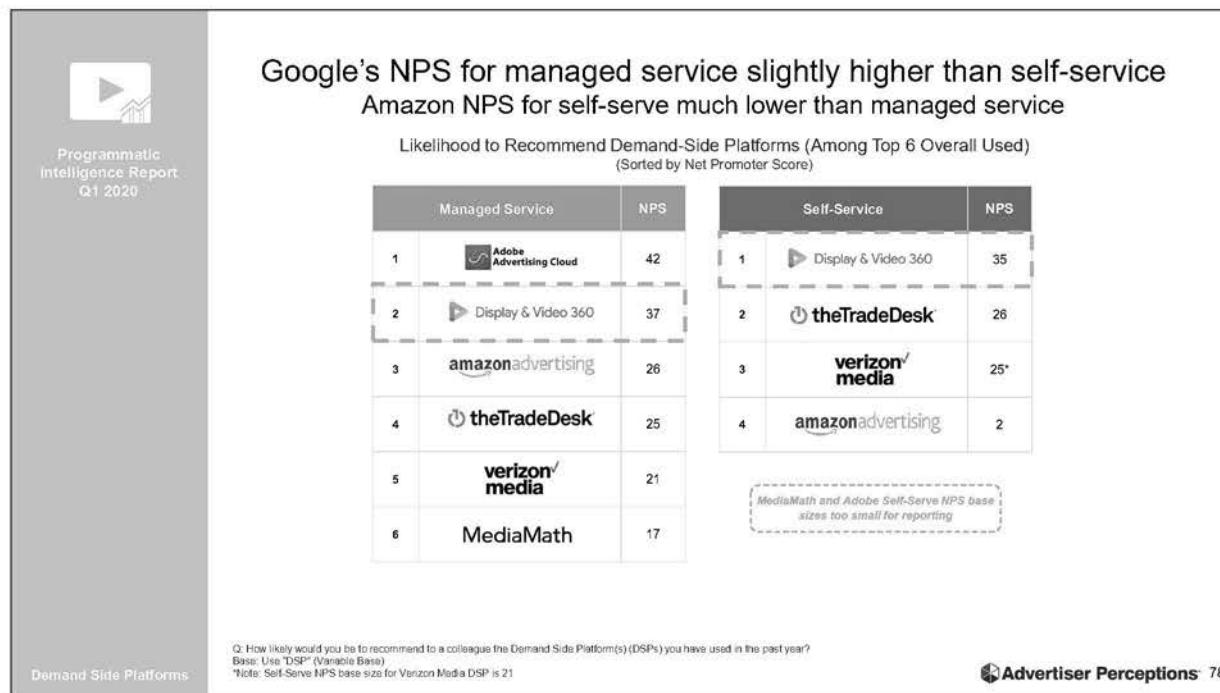
Q: What does [BRAND] do or offer that makes them your primary choice?
Base: Selected Brand As a Primary Choice

Indicates annual digital ad spend

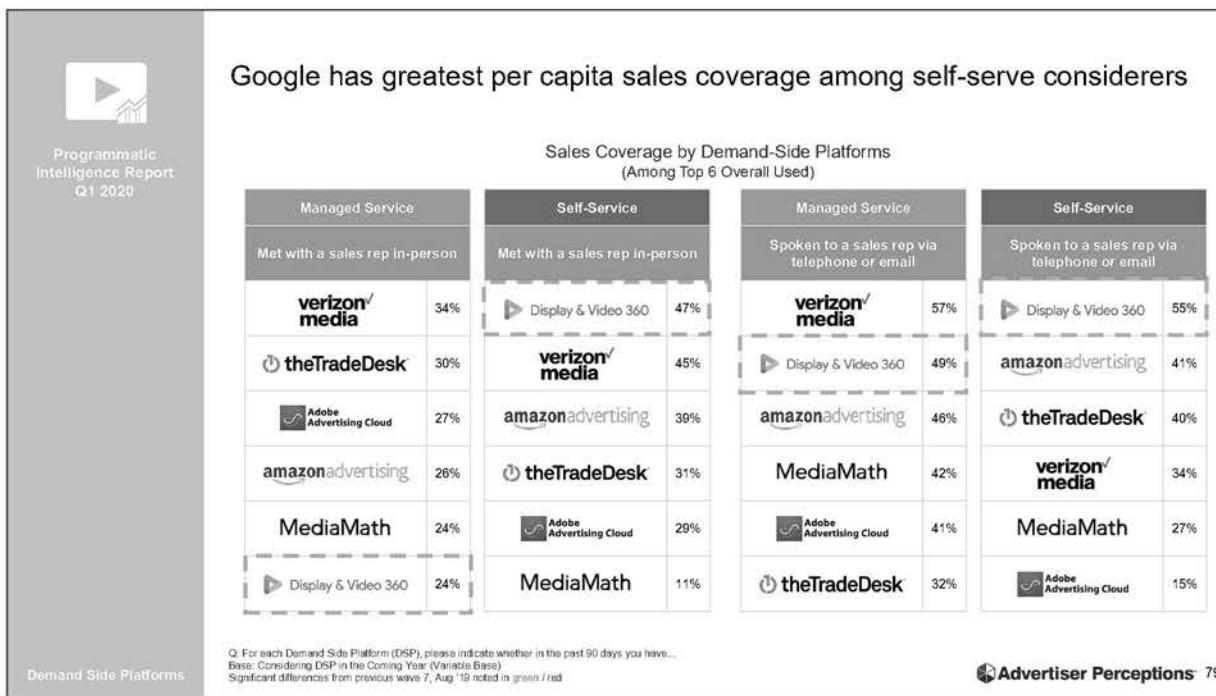
Advertiser Perceptions 77

Demand Side Platforms

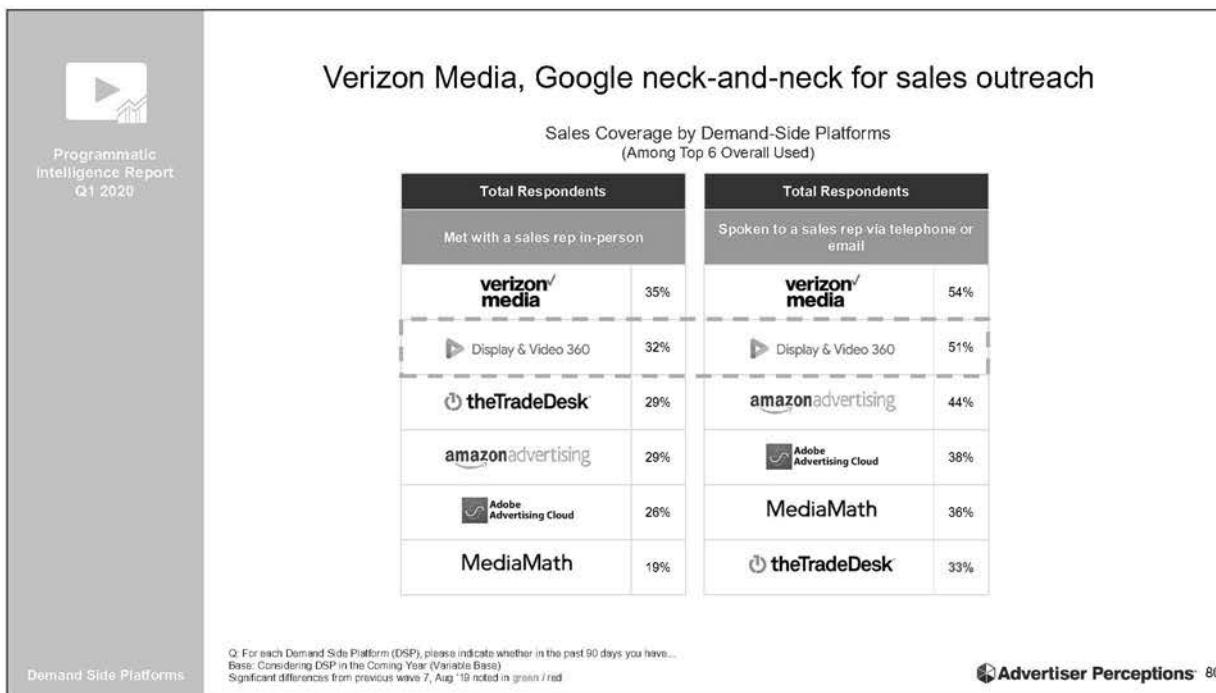
Q226a.



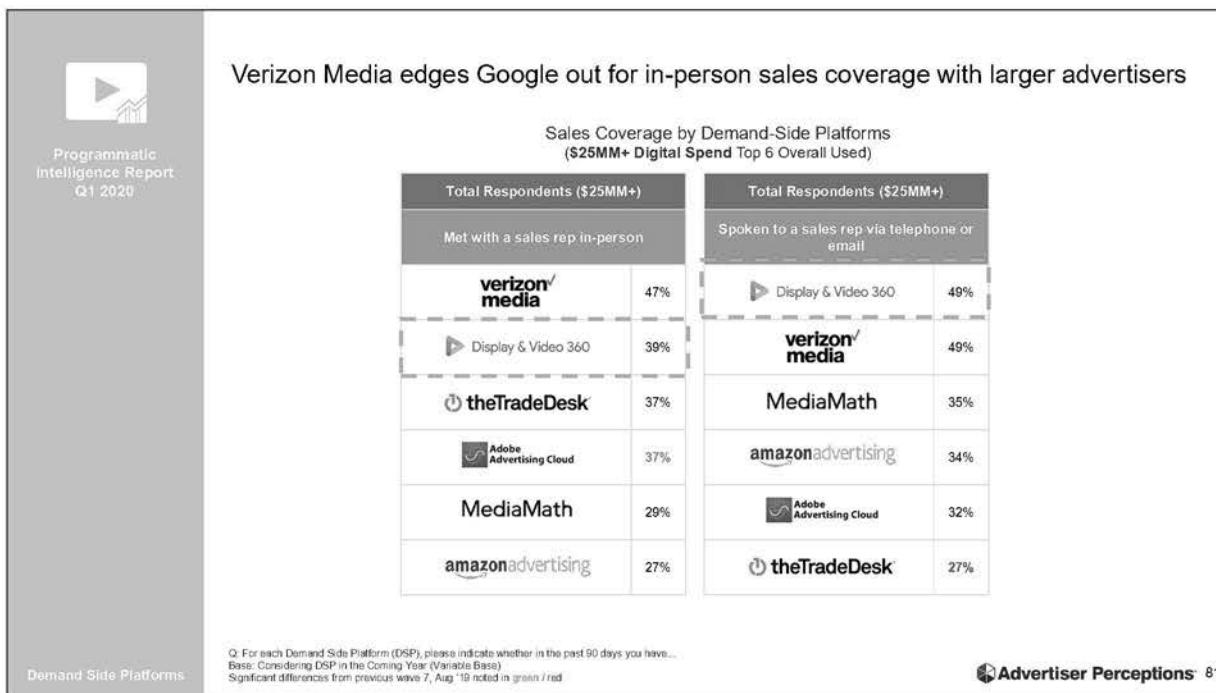
Q230 NPS



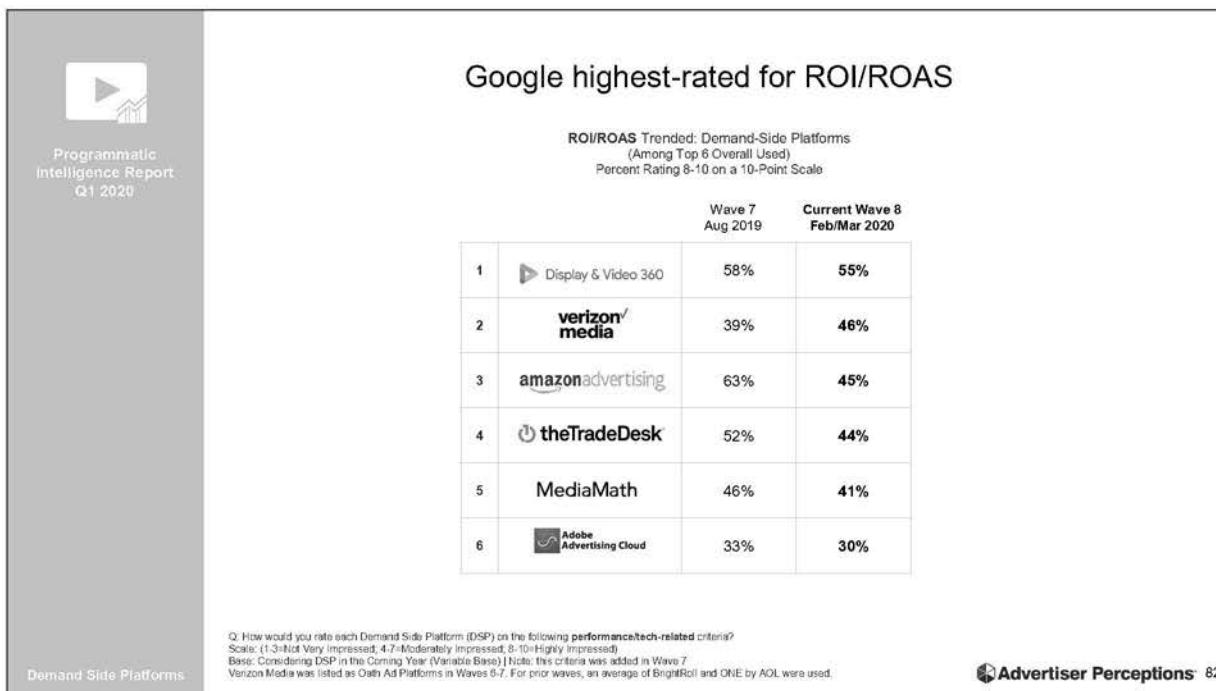
Q250 Sales coverage



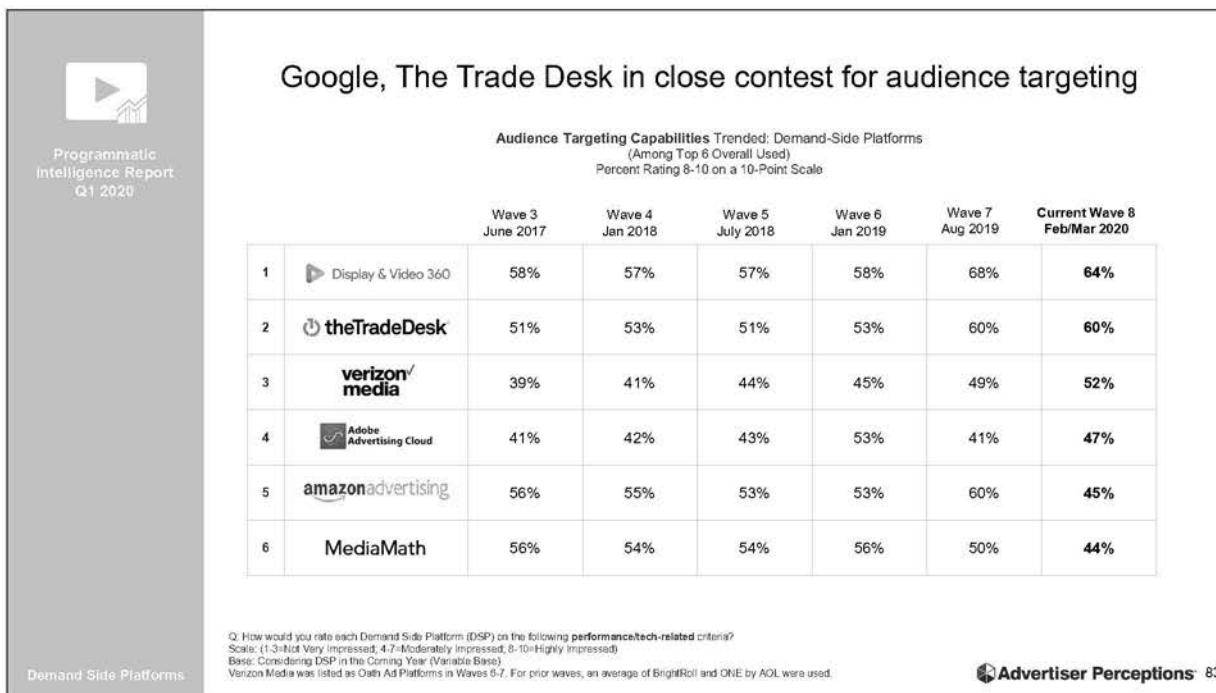
Q250 Sales coverage



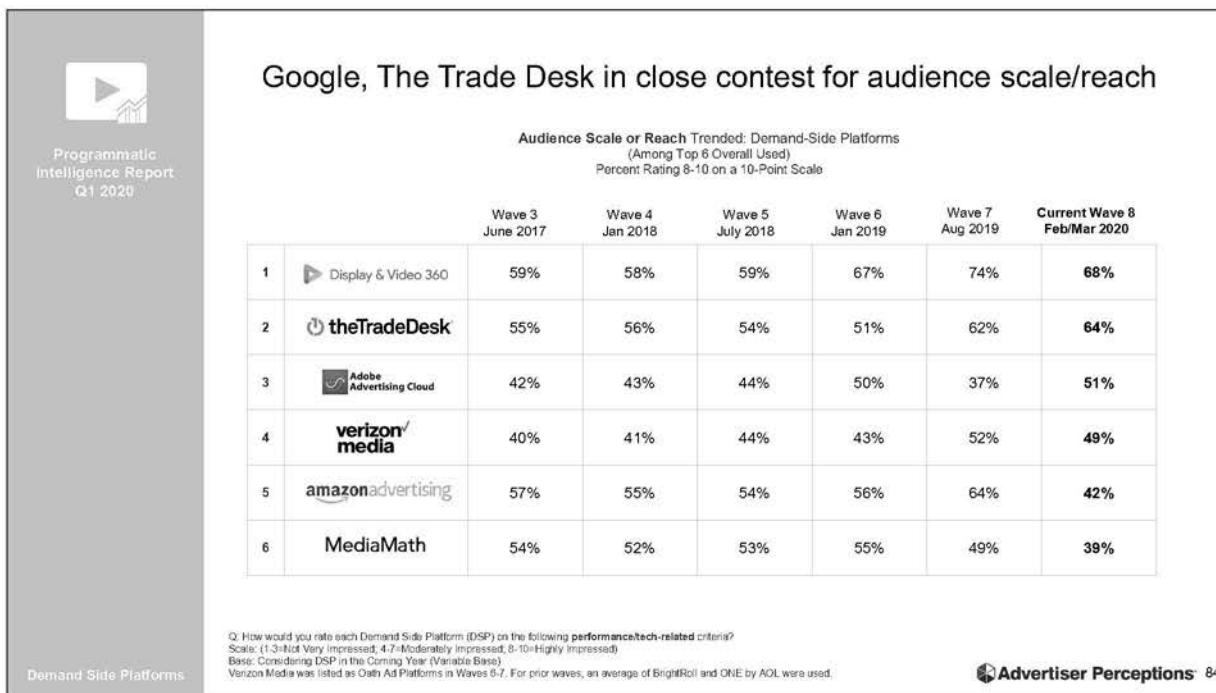
Q250 Sales coverage



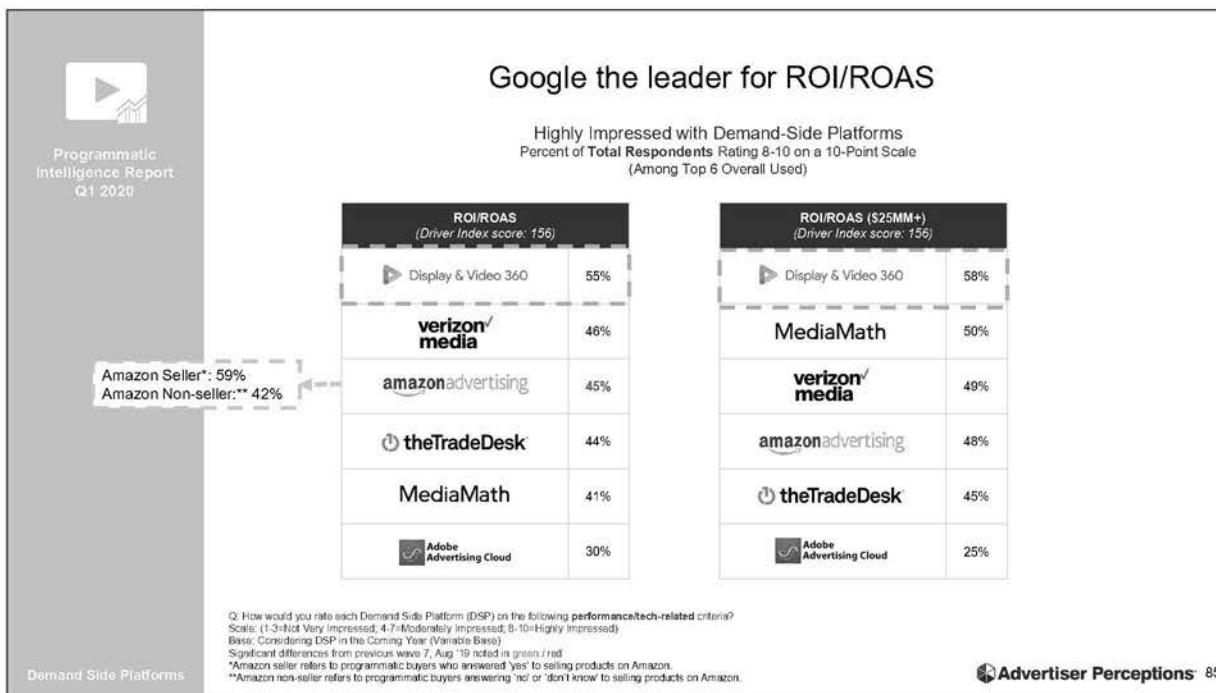
Q235



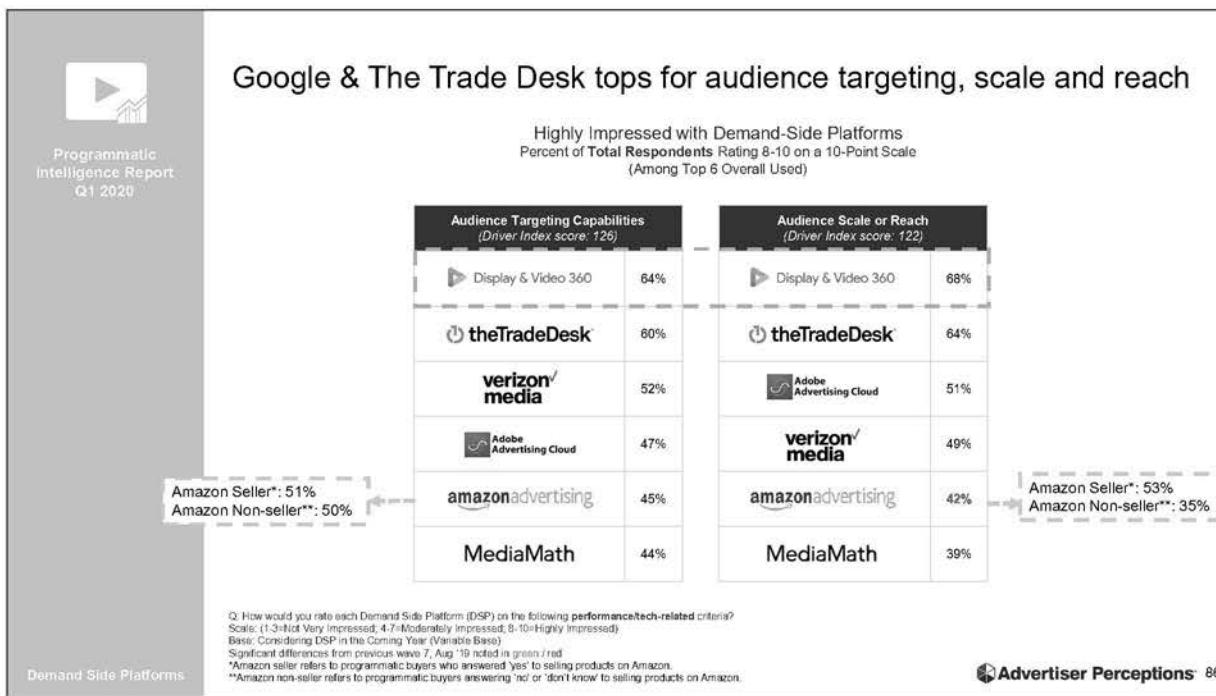
Q235



Q235

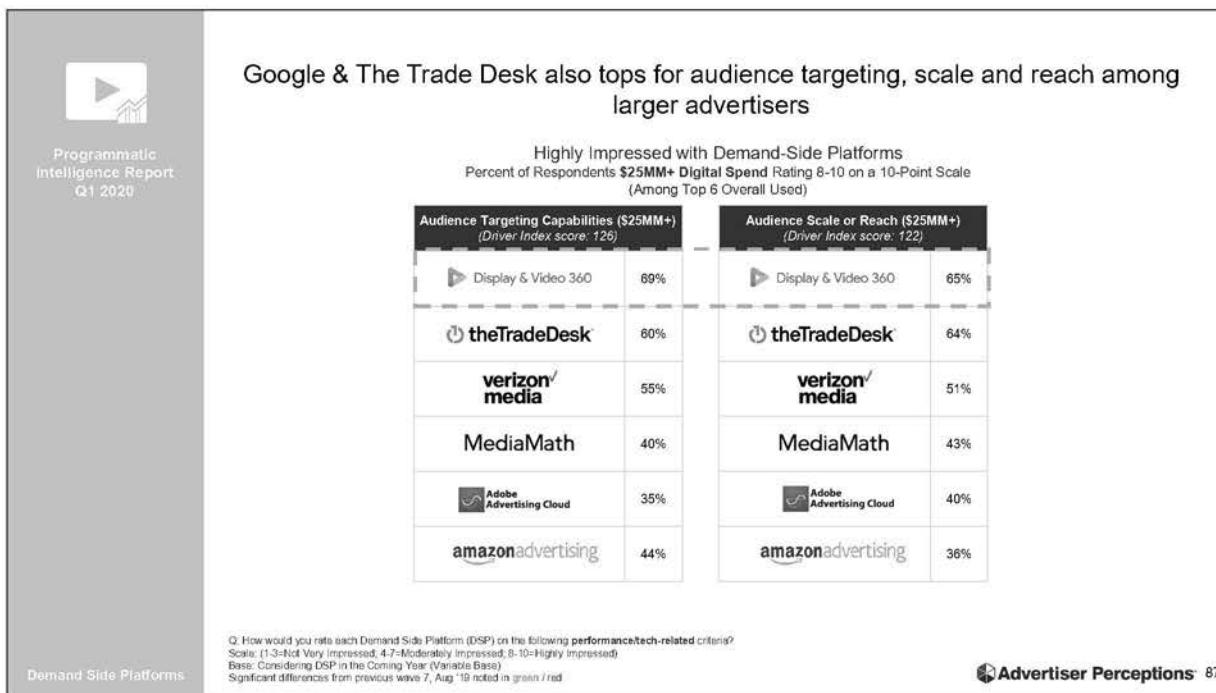


Q235 Performance ratings

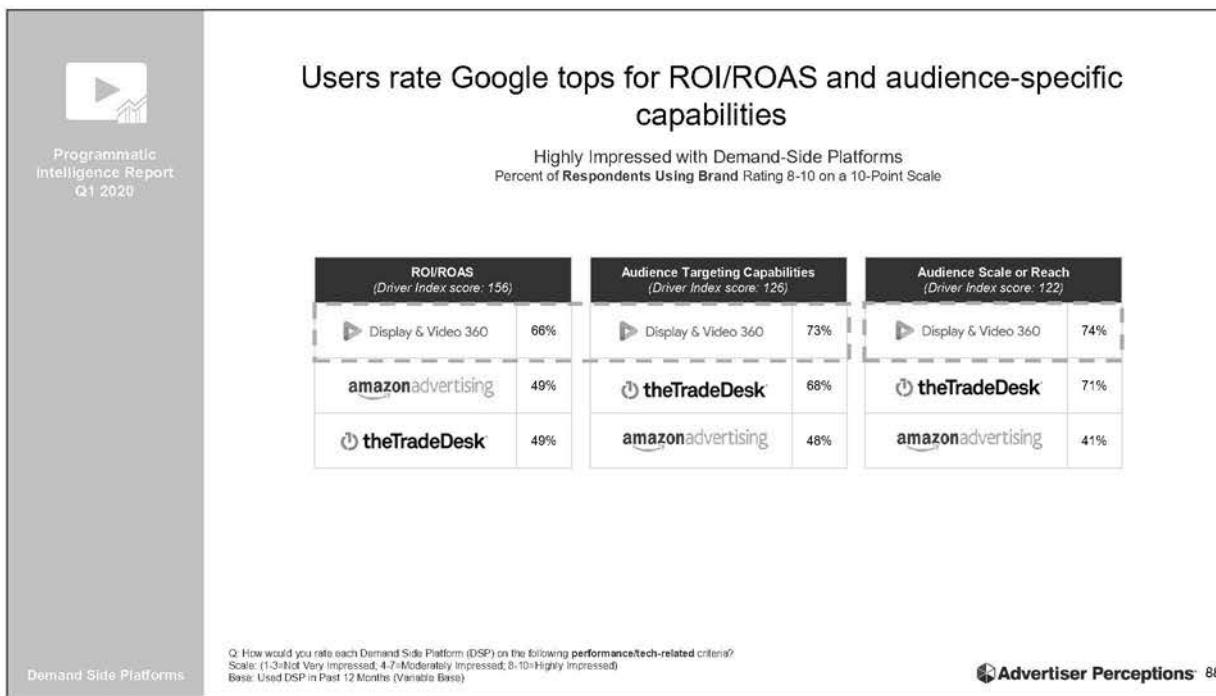


Q235 Performance ratings

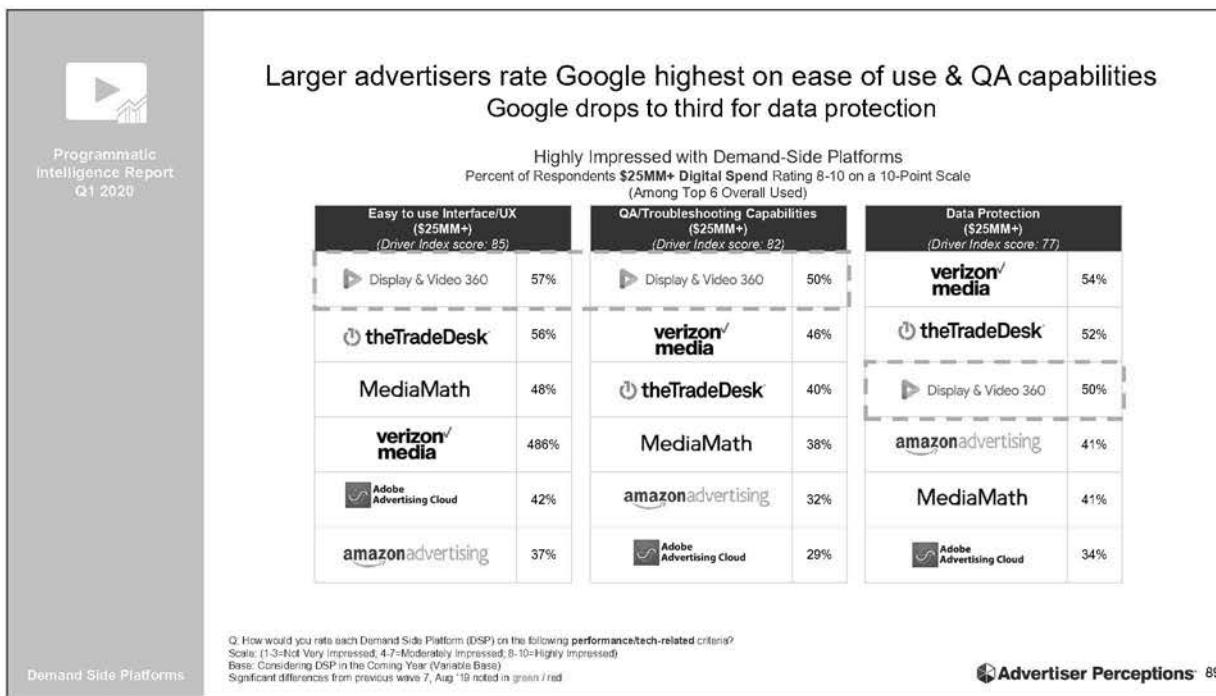
Audience Targeting Capabilities (seller vs. non-seller): the Seller/Non-seller %s here for Amazon account for 73 of their 92 raters. These overall ratings are based on Consideration, but the Seller/Non-seller raters are based on those who sell products/services primarily online.



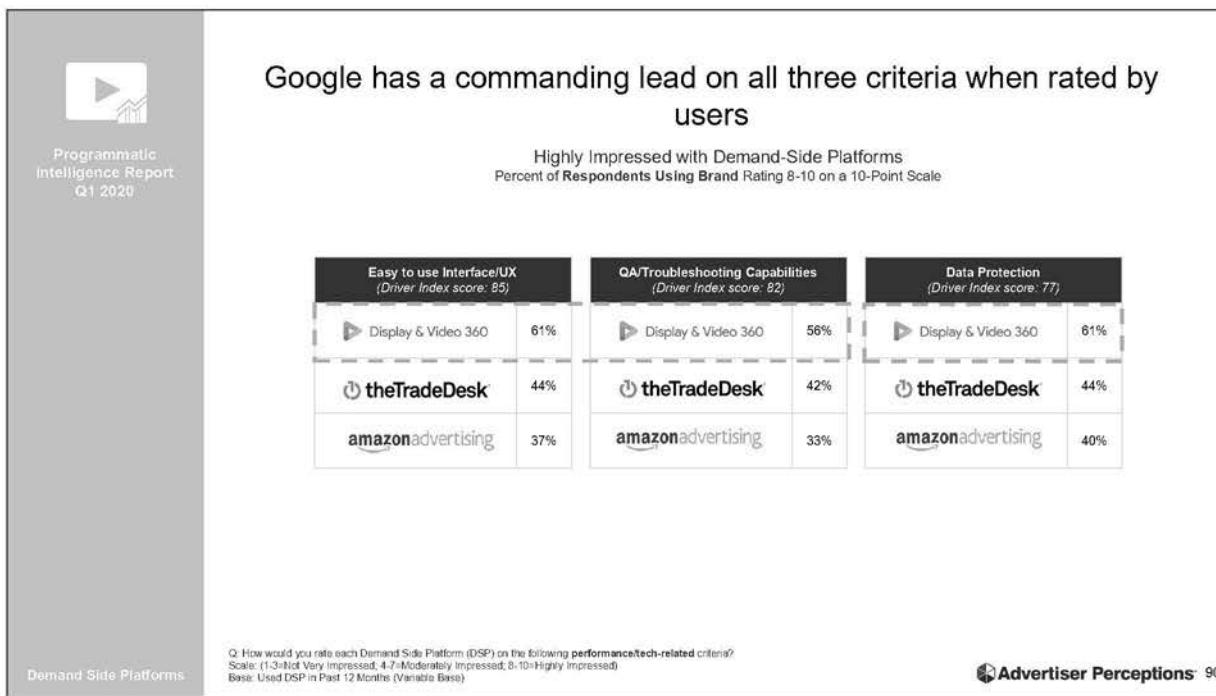
Q235 Performance ratings



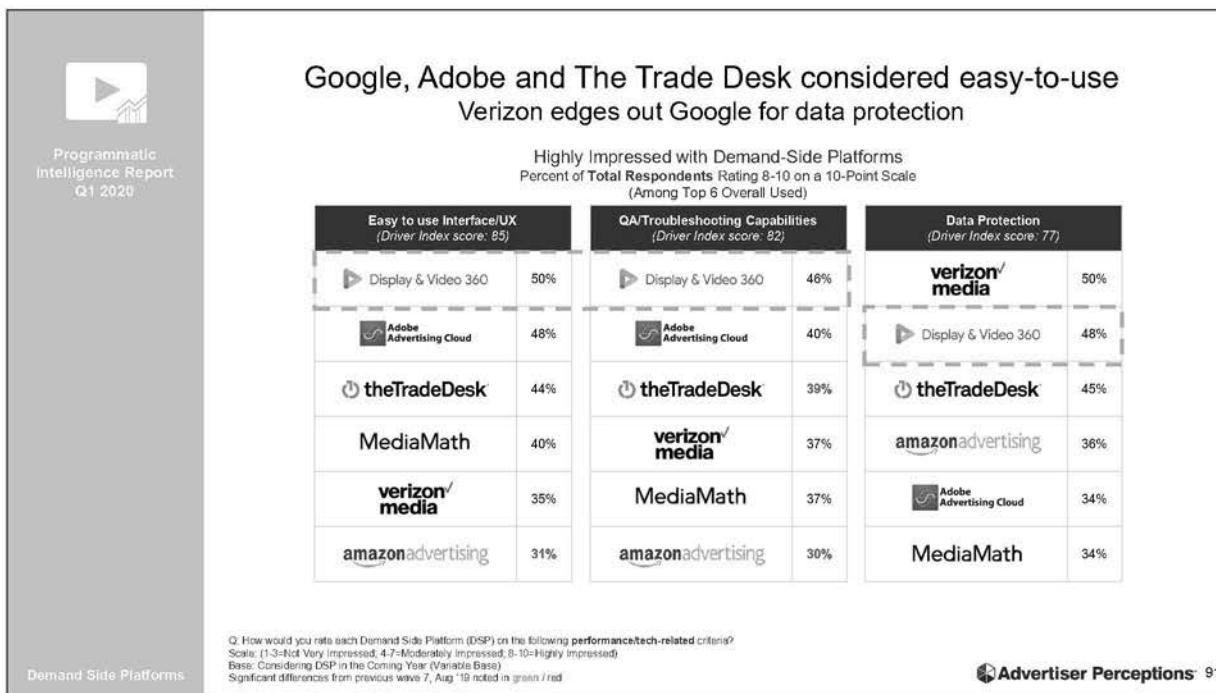
Q235 Performance ratings



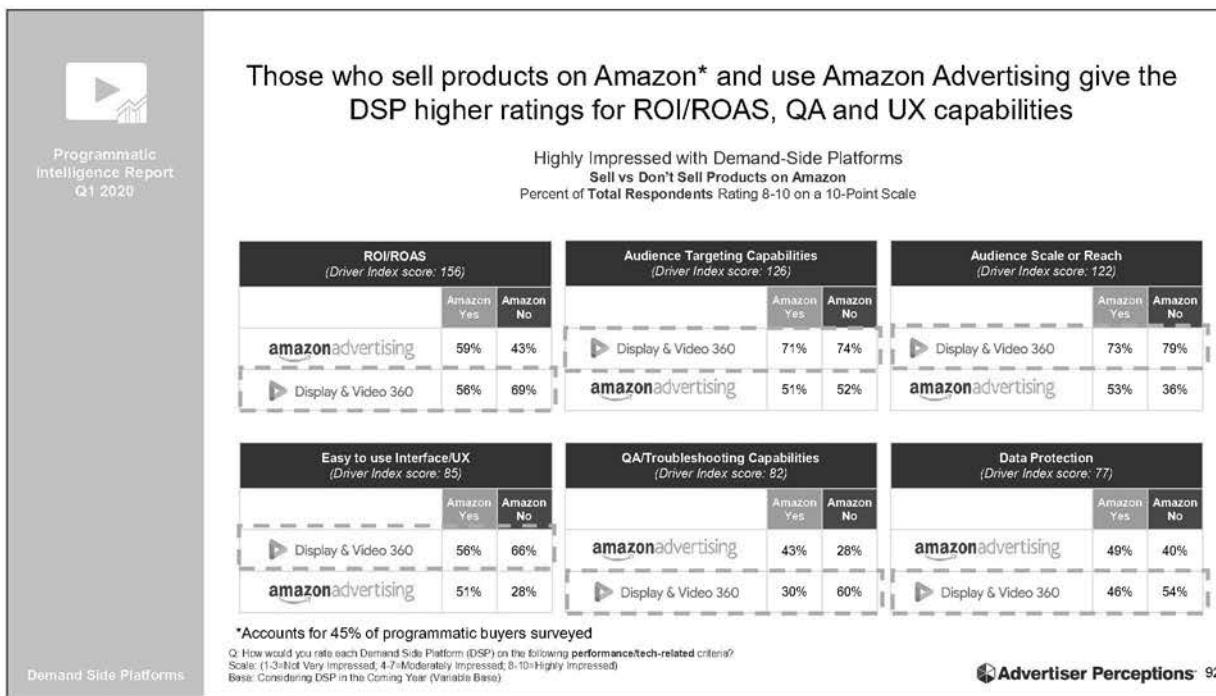
Q235 Performance ratings



Q235 Performance ratings



Q235 Performance ratings



Q235 Performance ratings



**Programmatic
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Google, The Trade Desk in close contest for audience analytics

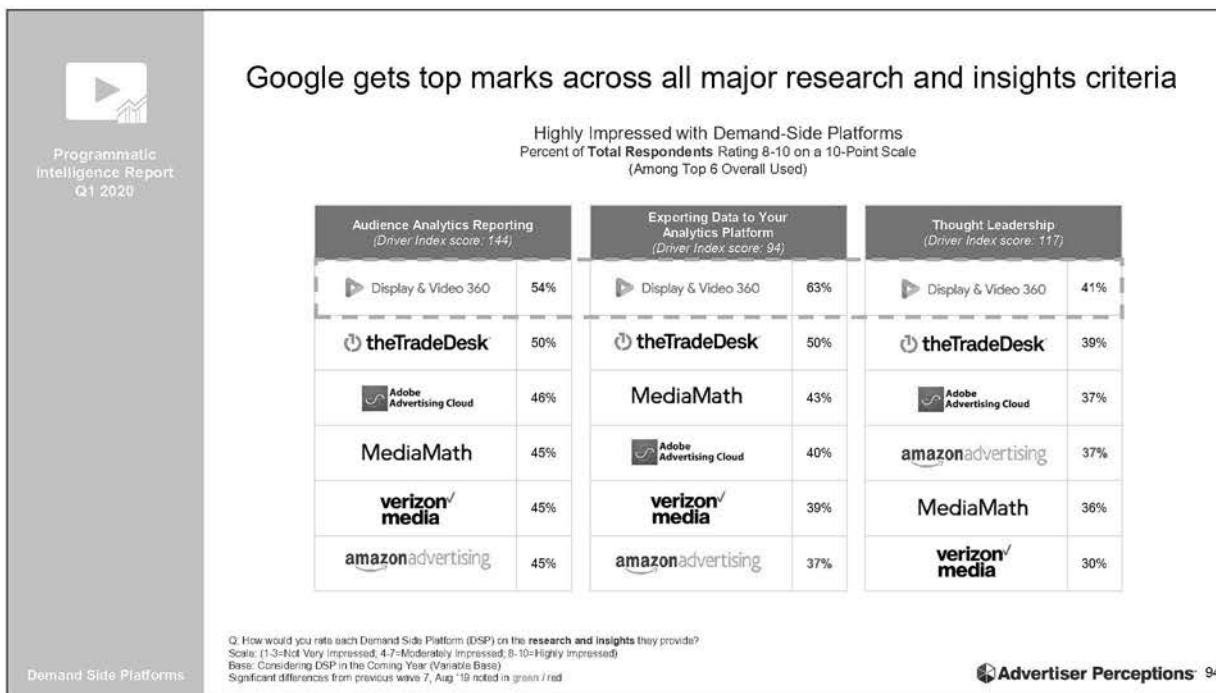
Audience Analytics Reporting Trended: Demand-Side Platforms
 (Among Top 8 Overall Used)
 Percent Rating 8-10 on a 10-Point Scale

		Wave 3 June 2017	Wave 4 Jan 2018	Wave 5 July 2018	Wave 6 Jan 2019	Wave 7 Aug 2019	Current Wave 8 Feb/Mar 2020
1	 Display & Video 360	58%	54%	53%	62%	62%	54%
2	 theTradeDesk	47%	48%	51%	47%	56%	50%
3	 Adobe Advertising Cloud	43%	46%	46%	51%	50%	46%
4	MediaMath	43%	44%	46%	51%	47%	45%
4	 verizon media	36%	38%	42%	40%	49%	45%
4	 amazon advertising	46%	46%	48%	43%	59%	45%

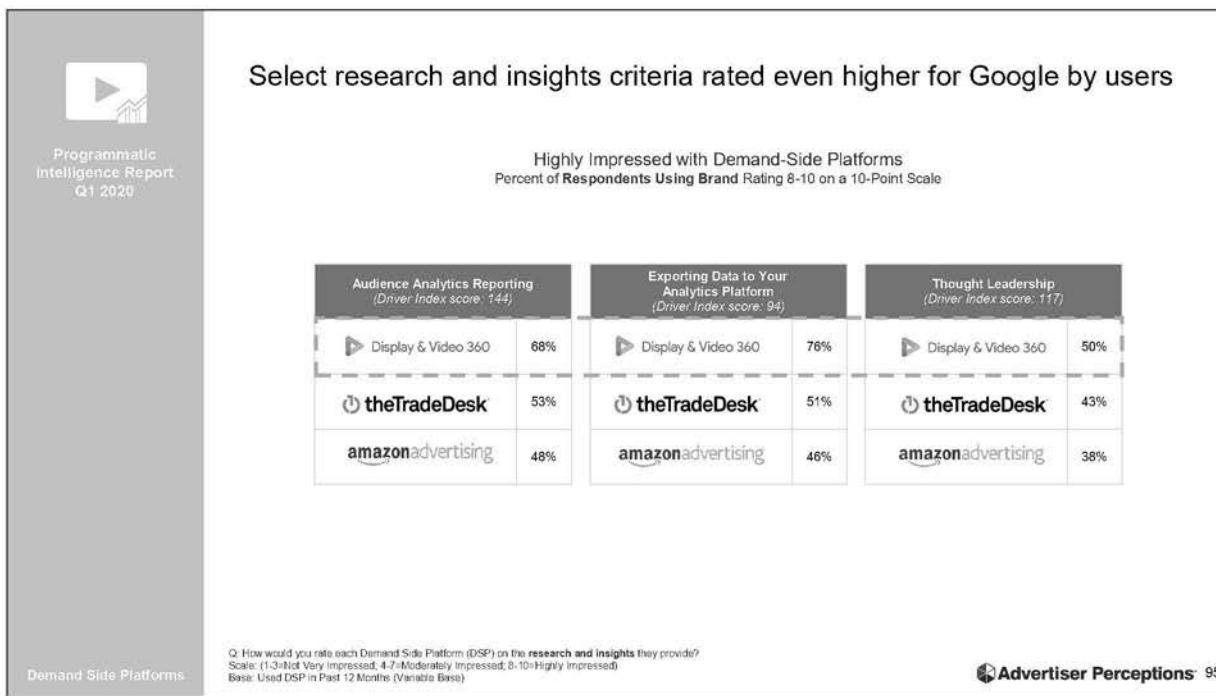
Q: How would you rate each Demand Side Platform (DSP) on the **research and insights** they provide?
 Scale: (1-3)=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed
 Base: Considering DSP in the Coming Year (Variable Base).
 Verizon Media was listed as Oath Ad Platforms in Waves 6-7. For prior waves, an average of BrightRoll and Oath by AOL were used.

 **Advertiser Perceptions** 93

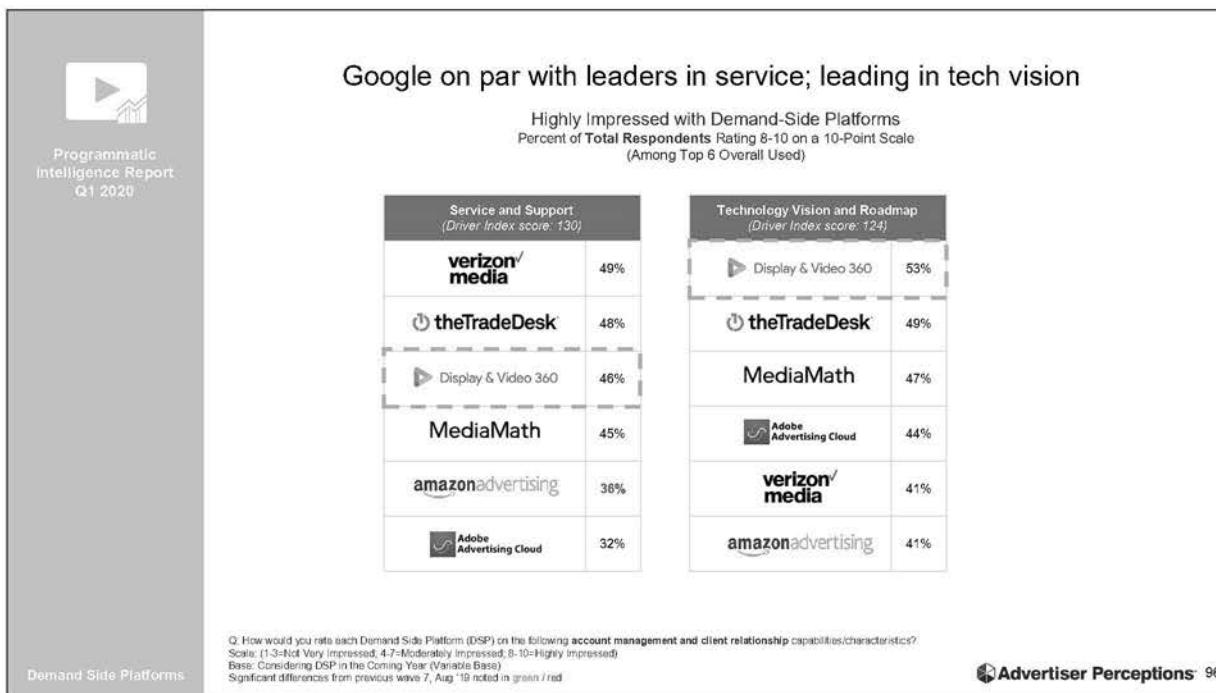
Q240



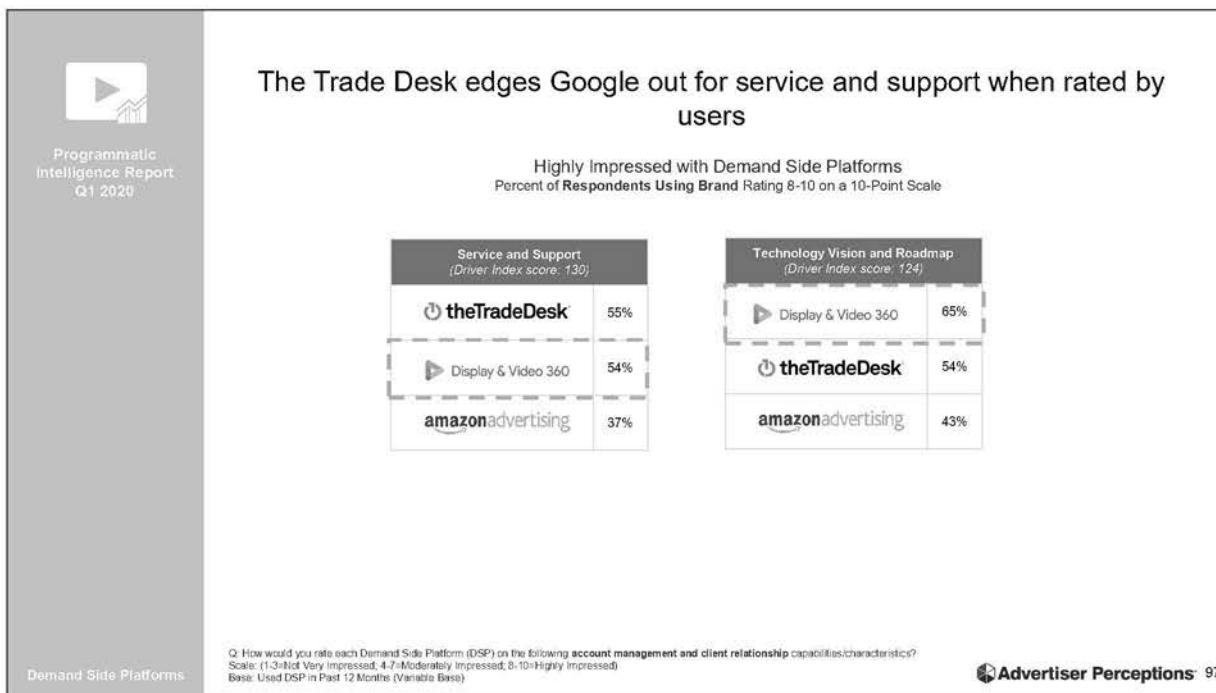
Q240 Research and insights ratings



Q240 Research and insights ratings



Q245 Relationship ratings



Q245 Relationship ratings

 Programmatic Intelligence Report Q1 2020

Those who sell products on Amazon* rate its DSP higher on core research and insights criteria

Highly Impressed with Demand-Side Platforms
Sell vs Don't Sell Products on Amazon
Percent of Total Respondents Rating 8-10 on a 10-Point Scale

	Amazon Yes	Amazon No
amazonadvertising	57%	48%
Display & Video 360	41%	68%

	Amazon Yes	Amazon No
amazonadvertising	54%	41%
Display & Video 360	48%	78%

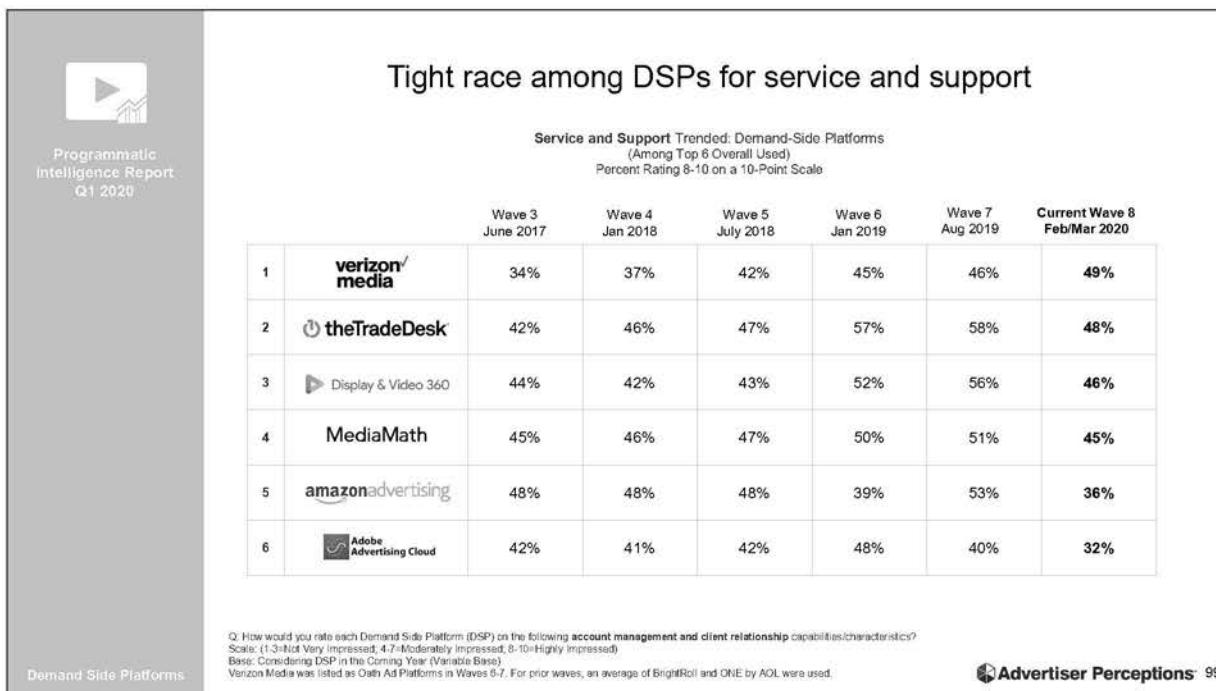
	Amazon Yes	Amazon No
amazonadvertising	51%	35%
Display & Video 360	39%	48%

*Accounts for 45% of programmatic buyers surveyed

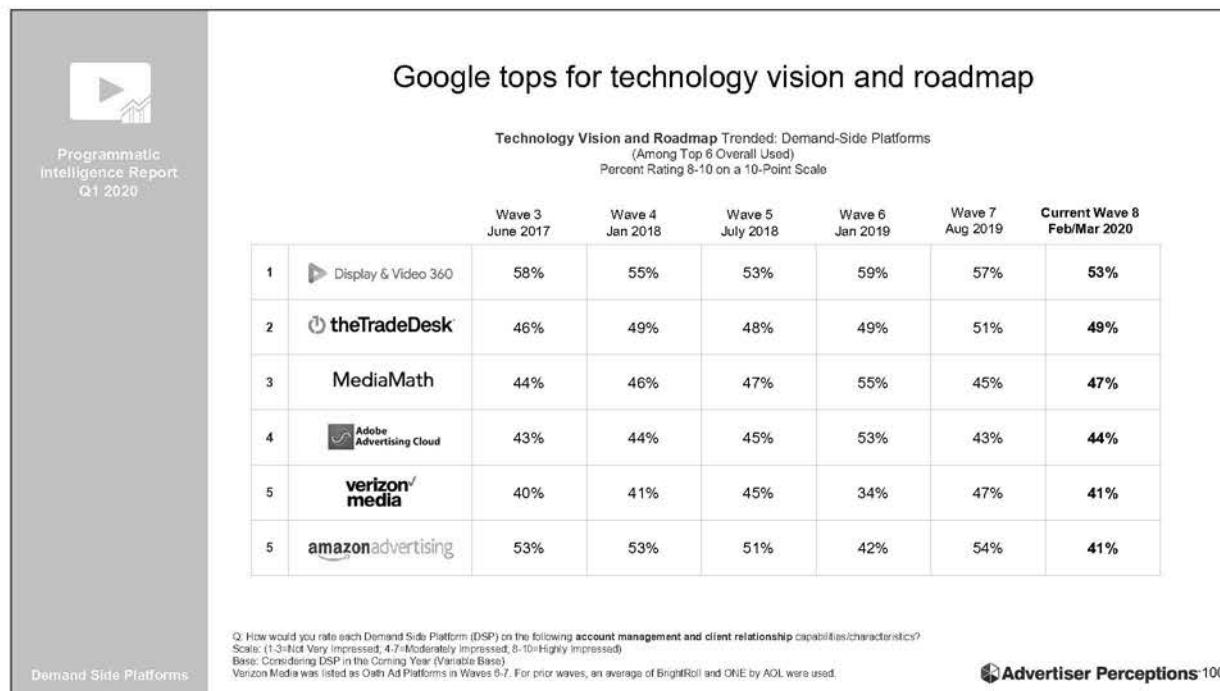
Q: How would you rate each Demand Side Platform (DSP) on the research and insights they provide?
Scale: (1-3=Not Very Impressed, 4-7=Moderately Impressed, 8-10=Highly Impressed)
Base: Considering DSP in the Coming Year (Variable Basis)

 Advertiser Perceptions: 98

Q240 Research and insights ratings



Q245



Q245



Q235 Performance ratings